

<223> Clone ID: LIB3061-090-Q1-N6-D6

<400> 8291

ggaattgcaa aactcctatt atgacgacgc taaaactgtg cagttcatca gcctttacaa 60
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ccaaaacctt ttctttaagc aaacaccgca ttggttgcaa aactgcactt ggtgtgccac 180
tgtgccttgt gaaatgagat gacctcctct gctcaggcgg ctggcagctg cagccgcaag 240
ccgatgaggc tcgacgcggc gctcaagccg ctcgagtcgc agcacgacag cctcggctgc 300
tgectgacga ctggctcgaa gccgagcgtg agcttcagcc tgaccttctt tcccttctgg 360
tccgccacca gcgcctggct ctggctgctg acccgcggtt tggccttggc ctggctcâc 420
tgg 423

<210> 8292

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-D7

<400> 8292

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tcgagtacat ctcatatgta atctaaaaga ggcacctcca acgatgggtt gctgcaaggc 120
agggttcatt aaagagaact ggttgatggc cagcaattgt tggtgctgct gcaggaaggt 180
agcgaccaat gggtagcca ctgccaatgg attaagtaac tggtgctgct gttgtaggta 240
cgcagcagag tttagacag ccagttggtt gaatggaagc aactgttgta agtaggcagc 300
agggtttgcc acagctagct gagtcagagc tggtagaatt tggtgcagca actgttggtg 360
taggtacgta ggtgcattgc ccaccgcgag cgggctagat gaaagtagtt gtaggtagac 420
ggcaggggtt accatggcta gttgactgag cactggcata aactgttgca gctgttggtg 480
ttgctgggtat gcagctacct tcgccagaac aagtgggttg gatgcaagca actgctgttg 540
caagtaggtg ac 552

<210> 8293

<211> 372

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-D9

 <400> 8293

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 ttcggcagga aagggtaaaa gggggggggc ggggcgggac acgtggaggg agaaaacact 120
 ttcactgggg ggaattttaa acccgaggg gttgcaagaa cccaagcatt ttggggaggg 180
 cggggggcac aaacccttg gccacatggg gggggcgaaa acggtccctc caccgggca 240
 aaaaaggggt tcgggccggg gaaaaaagcc ccctcccaa aattctggcg aggggcccaa 300
 aacaaccgag ggaccccccg aaaaaggggt ccacaaaacc cttttttcc ccccaaaaa 360
 aaggccccc cc 372

<210> 8294
 <211> 530
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-E1

 <400> 8294

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 aaaacctatt gcatatgaac tgttgcaaca acagaccagc ggaagggttcg aattttgttt 120
 catcatctaa tacgatcaca gcatgaatga cataattata gggatggctc atgcaatcct 180
 tctcaattgc cagtgtcatt atgcatgagg attagggcta cttggactta gttgatttct 240
 ttttcttttt ttgccgcaat tcatcattac ttgcgatata tgattcagct atgacactct 300
 cctgggcctc gttctttcta aattccttcg cttttctctt taatgacttc gctatatcgg 360
 ctatctcact gttgtcactg gcattcttgt cagatttgga tggacctgca gtgttctcct 420
 ttggaggaac aaatgcagcc tctctttttc ttttattttc ttcagctctc ccaaattgct 480
 tgtccagctt ctcttgccat ttctttgctg atttcttttt gtcactcatg 530

<210> 8295
 <211> 572
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-E11

<400> 8295

cacattaaaa tctggaaatg taactttctta tttctggttg gccacataca tcatccaaaa 60
actttattat tgaattacaa ctaataagca atctaaaagg ggcaccacca atgatgtgtt 120
gttggttagga ggccgctcgg tctgtcaaag caagttggac aaagggcaac aattgttgta 180
gttgtaagag ggttgcgggg ttagccgcaa actgctggta gaaaggcagc aactgttgct 240
gtgtcaagaa ggaagcacgg tttgctgcag ctagctggct aaatggtagt agtatttgct 300
gctgcaaata agcagcgggg ttcagtgcgg ccaattgggt aaatggaaga agttgttggt 360
gctgagagta ggcagtagct agctggctga atggtaatag ttgttgctgc aaataagcag 420
cagggttcag tgtagacagt tggttgaatg gaagaaattg ttgttgctga gagtagggag 480
aaaggtttgc cagagctact tggttgatca caggtagcac gagttgctgc agctgctgtg 540
ccctgatggg ttgtaccaat gactgcacca aa 572

<210> 8296

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-E2

<400> 8296

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tcacctcgca tctaccagtg tgctctcaag ggaaacaaac attcgggtcca caccagaaa 120
tataaaatgt tcatcaaaga caaaagatag attctgcaga agaacaaaaa agagaaacat 180
gtgctagcag agggaccctt gcgccactct acttttcagt tctcctgctt catttatctt 240
cattgctgtc tgttattatt ggacttggtg ggctgcgcc aatgacccat acaagtttgt 300
tctttctcgg caagccttca tcagaatcg ctcaggcgtg ccaaatcatt gatcacttcg 360
cttggggcgc tgggtggctca cctgcagctc ttggatcctc atccgtacat gccacttgca 420
gtgctggagt atagaagctt atgaacgga 449

<210> 8297

<211> 473

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-E5

 <400> 8297

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 gcaaaattac aaggattatg caggtaaaga aaaggaagtt ggtatcccag aaaagctcca 120
 tttcgtttaa caagtgagga gagtggagta aagtttccag gtagtcctga tgtaaagttt 180
 ccagtagcaa gcgatttctt cagctcttga cgacaatcac tcggcatggg tgctactttg 240
 gtggacgacg atcgggtgtac atgtcctgaa tattttcttt gatataattg gctgttttgt 300
 ttagattctt cgcaacacct gaagcgacca gtccagcgct cctcttaaac ctgtccaaga 360
 attcctgcct cgacaagttc tgaggtctct gttgtccttg ttgggtgagag cggatggtag 420
 ctgctgcac ctttgcaaca tgtgctggag cttgttcagt tgccgatggc ttt 473

<210> 8298
 <211> 228
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-E9

 <400> 8298

 aaccttataa cttgcgatgt aaaaacggaa tatcaaaagt gctaaaacag agaaagtttc 60
 gcctgtaaaa acggaatatc aaaagtgatt tcgcctcgct aagttccctt cttctaaccg 120
 aatataaata cggtagccct cagtaagtcc tcatctataa ctcccggcag agtccaacat 180
 ttgtggttgt caaaaacttt catagcatgc cagactgcag ccttacac 228

<210> 8299
 <211> 369
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-F1

 <400> 8299

 gagataaatc tcaatcaata tattgattat ttctaggaaa cacatgccgg aatgagggca 60
 ccattatcga gtacatctca tatgtaatct aaaagatggc acctccaacg atgggttgct 120

gcctcgacaa gacaggggtt atcaaagaga actggttgta tggcagcaat tgttgctgct 180
 gtaggaaggc agcgaccaat gggtagcca ctgctagtgg attaagtaac tgttgctgct 240
 gttgtaggta cgcagcagag ttcgacataa tcagttgggt gaatggaagc agcttggtgca 300
 agtaggcaaa aagggttgcc acaactagct gagtcagagc ttgtacaatt tgttgcaaca 360
 aattgttgt 369

<210> 8300

<211> 447

<212> DNA

<213> Zea mays

<223> : Clone ID: LIB3061-090-Q1-N6-F10

<400> 8300

gggggaaaaa cccaaacaaa tttttggttt tttttgggaa aaccaacccc ttttgggggg 60
 ccccttttgg gggccctttt tttttgtaat aaaaaagggg gccccccac cggggggtgg 120
 ttcccccaa aggggggggt taaaaaaaaa aaacggtttt ttgggaaaaa tttttttttt 180
 ttttgaagg gccccccca tgggtttccc ccccttggg ggtaaaaaa actgtggccc 240
 ttttgggggg cccccaaaa atttcccccc accaatttgt ttaaaggaaa ttttttttta 300
 aaaaaggcca aagggttttc cccacttgc ttgaaaaaa ccggggccaat tttgtgcaaa 360
 aacctgtttt gaaacaacct tttttgccg ttttttgggg cctttcccaa aagggggggg 420
 gttaaaaaaa aaaaattttt tctttttt 447

<210> 8301

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F11

<400> 8301

ggaggaacat aggtttgtta ttggaacag attacacact tgattggcat tccacacgca 60
 accgatcgat atgacgatta tactcctatt tattagcacc agctatatat agccatgtct 120
 ggagtctgga gtctggacta gcaagcaacc gagatcgatg catgatacag agatagattc 180
 atcggtttgc atgagcatgg cttgttgcca gccactatgt tacaccacc acgcatgtac 240

aaagttctgt atcgtcgcat cgcctccgcc tgatgatgat cgatcagtgc agcgccgtca 300
ggacagtaga cccttcacc accttgaaag tggcaccgca gatctcttct tcgtcggcgg 360
ggacagcggg gaccttggtc ttgggggttct cgtagcactt gagccctccg agggcgttgg 420
agtagaagca gccttgccgg aacggcgcca ggcacttgcc gcatgagcct ttgagcatgt 480
cgatgtcgtc 490

<210> 8302

<211> 124

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F3

<400> 8302

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gggggtgggg ggtaaggaga ggggtgggagg gaggggaggg aggggggggg ggggggagga 120
gggg 124

<210> 8303

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F6

<400> 8303

aaccctggta gctagtactg gtcgccgccg gagaagagct gcactcctgg ggctccgaca 60
gccggcacat catcggaac ccgcggcgt actcccgggc ctctgtaagc ctcacgcggc 120
cgatccttgg ccgggtggtg ccgggacgac acggtggata catctgcgtt tggatatcct 180
ctcctgcccg gctgcagggg tagtagtagc cccctgtcc tctcctcct cctgcgggcg 240
gcggtctgtg ctgccgccc catggccacc agcctttctc cagaggcggc atggcctcct 300
cgtagccct gaccatgctc cggatggcgg cgcagcggca ctgcgggctc acgtcctgga 360
gctgctggca gcaccgcatc cggagcccgg tgccccaccg gaaacggccg ccgacgccgc 420
cgccggttag ctgccggtcg aggacctggc ggcacgcgtc gagcgggctc ttctggacct 480
cctgccagca ctgcaggtcc ctg 503

<210> 8304

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F7

<400> 8304

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ccccttgggg gggccctttc atttgtaatc taaaaaaggg gccccccaaa aatggggttt 120
tgcaaggggg gggttataaa aaaaaactgg gtgtttggga aaaatttttt tttttttttt 180
aggaaggggg cccccaaagg ggttgcpccc gccaaagggt aaaaaaatg ggggcccttt 240
tggggggccc caaaaaagtt tggaccaacc ccgtgggtta atggaaacaa cttgtgtaaa 300
gagggaaaaa ggtt 314

<210> 8305

<211> 475

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F8

<400> 8305

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ctgccacca tggtgatgcg tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
cgctatctgc gccgccaaca gccccgcgac ctggccgctt tgcggctgct gctgcaggat 300
ggactggagg accaagccga agatcgctg gtaccggctg tgcggctcca cctgcctgag 360
ctgctggcaa cactgctgcc gcaacgactg gcactgaggc gagcagtaag gcgtcgccgt 420
cgggctgcac tgatgcctca gaaactcgac gcactggccc aggatcgggg tgctg 475

<210> 8306

<211> 130

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-090-Q1-N6-G1

<400> 8306

aatattaatt ttttatTTaa tatttggnat aaaaataaag aggaagaaga atatttatgt 60
gggggggggg gagagaagat taaaaaaaaa gtagatagag gtagaataga aaaaagaaga 120
aagaaggagg 130

<210> 8307

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-090-Q1-N6-G10

<400> 8307

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cggattgggg gcacaagagg atcagatcat cagacccaan attcagtatt cgttcctctg 120
agcccagcca aagccaacac gacgtcgttc gttcccagga tccaaatcct cggtgtttac 180
tactactaat aataacataa aaatggaacc aaattcctga agatttctac agcatttggt 240
tgaagttgga acacacgagc atttacgcaa ccagtccttt ttccttttca tcaatcactg 300
agcctcttct tcagcttcgg cggcggcaat ctctgaatcc aagagggaga tgaactgctg 360
gtcacatgc ttggcgacag atatcatgtc gaagatgacg cttggatcca gccctgcccc 420
tcccctcttg gtaagcccg atacttgcc atgcctgttg actgacaccg aactgcaga 480
actcatctgg gattcttct ctgaggtggc atcaacgatg tagtgccgac ccaccttgg 540
taatgtaata ataac 555

<210> 8308

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G11

<400> 8308

agaatctaga aatgtacttt cttatttctg ggaagccaca aacatcagac aaaaaacttt 60

attattgaac tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg 120
 gtagaacact gctaggtttg tcaaagcaag ttgggttgaat ggcagcaatt gttgcagttg 180
 taagaggggtg ccagcgttag gcgcagcgtg ctggtagaac ggcaacaact gtggttggtg 240
 caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
 taaataagca ggagagttca atgctgccag ttgggttgaat ggaagaaatt gttgggggta 360
 ggcaacaggt agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa 420
 tgcagctagt tgggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc 480
 tagcacaagt tgttgtagtt gttgtgccct gatgttttgt gccataaat gcaccaaagg 540
 taactgctgt aatagggtg atg 563

<210> 8309

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G3

<400> 8309

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 gagggcgccc ccctacaaaa cgaacaggcc tggctccata gcccgggga caacgttcaa 120
 aaaacaaaaa cggcaaagcc cgcaaaatta ttcagggcgc aagcaccggg taattttaca 180
 gggcgataac tggctaccaa aaacccttct cgggagactc gaagaactgg ggccccatct 240
 cccgggaaac caaaaagcaa aagagttttt ttcctttcat tccttttgaa aaccgggttc 300
 attcgTTTT tttttcgaac ttggccccgt cagccccccc ttgaggg 347

<210> 8310

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G5

<400> 8310

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 cagggtagca gacaagctat acatgcacaa cagtagcatt caaaattaca cgacacaacc 120

cccttcccc tttccccggt tcaccgtcac ttcccaacca acagcaatca acaccgacat 180
caggaataac tcctcttgac gatcaccaag aataattagc gcaggactca acaacaagac 240
gacaaaaaag agcaaaactc cccatggtct tttttctcgc cggtgccagg gcacaccagc 300
catttgtaag tcacgcccc ctcctcactt gctgccgcac ttgaagccgt ggcacaccga 360
caggatgatg atgaggatca gcgcgatgat gatgcccaag acgatcagct tgatcttcat 420
gttttgagc cacatctttt gccgcacgtt ggtgccctgc tgtctgaaaa cctgtgcctg 480
agaaccaga ttttccggac ccgtggg 507

<210> 8311

<211> 557

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G6

<400> 8311

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tggtgggttt gtcaaagcaa gttggttgaa tggcagcaat tggtgcagtt gtaagagggt 180
gccagcgtaa ggcatagcgt gcaggtagaa cggcaacaac tggtgttggt tcaagaaggc 240
agcagggtc acatcagcta gctggctgaa tggtagtagt tggtgctgct gtaaataagc 300
agcagagttc aatgctgcta gttggttgaa tggaagaaat tgctgggggt aggcagcaac 360
tagctggctg aatggtaatt gttgttgcaa ataagcagca gagttcaatg cagccagttg 420
gttgaatgga agaaactgat gttgctgaaa gtatgcagca aggtttgcta gcacaagttt 480
gttgtaattg ttgtgccctg atgttttggt ccaccaatgg gcccagta actgctgtaa 540
tagggtgac ggttggt 557

<210> 8312

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G7

<400> 8312

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 aaaaactttc atccaggccc agagcagttt tcaaataaca taaaacctct atcacataat 120
 cattggtggc aaaaacaaaa gagatgagga aaaggcggtc ccacaaccat cagatgaccg 180
 ggaagagtct agtcgatctc ctggaaagag gcgcgggtgg cggcgccacc agcggggggg 240
 gcagcgacct cttcggcagt aaacttgccc ttagccttgt cggggggcgcg gccccggggc 300
 ttgcggtcga ggagagcctt acggtccttg tcgagcttca acttggtgac caacactttg 360
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<210> 8313

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G8

<400> 8313

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 ctaatcattg tgcagttgaa agcaatagtt gctagtatcg gagtaacgga agggatggca 180
 atgttgctgt gaatctgaaa gttgctgact acgtatatat gcacattcat acatcaaaac 240
 ctggcatcgc aaactgtgac gcaaatgcct caacctgatt tcggagttct ataacatcat 300
 tattgttctg taggcctctt agaaaactcct tttgcacttt gccatgttct ttcagaacat 360
 tgttagcaat ttgagtagcc cttatgagga agtctgcaat cacctcgaag tcctcttcta 420
 agcaacctct agtagtcatt gcagggtgtc caatccgcac accacctggc gatatcgagc 480
 cattatctcc ataaattggg gtcttgttga caggaatgtg gcatg 525

<210> 8314

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G9

<400> 8314

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cattattgaa ctataactca taagcaatct aaagggggca ccaccaatga tgggttggtg 120
 gtagaacact gttgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
 taagaggggtg ccagcggttag gcatagcgtg caggtagaac ggcaacaact gttgttggtg 240
 caagaaggca gcaggggtca catcagctag ctggctgaat ggtagtagtt gttgctgctg 300
 taaataagca gcagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta 360
 ggcagcaact agctggctga atggtaattg ttgttgcaaa taagcagcag agttcaatgc 420
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 cacaagttgt tgtagttggt gtgccctgat gttttgtg 518

<210> 8315
 <211> 563
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-090-Q1-N6-H11
 <400> 8315

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 ataaaaaaat acaagtaaat gtcatccctt ggatctcttc attttcacaa tgaagtcac 180
 gtcgtcgtcg tcaactgtaat caactcttct ctttgccctg gaatccataa tgccctggctt 240
 cttggaactt tcaggtttat tatcttttct cactgcacaa gacttgattg gggtagccat 300
 cctcacttgc tgctgccgct tttgcttcct ttcatatgcc ttccttgctc tctcaggaga 360
 caacatacca tgctccatca accagaattc agccatctca ctggagggga tctgcttgga 420
 cagtgactcg tagaaaatcc tgagaggctc cctctcctcc ggaggatcga acttctggcc 480
 gggcaaggag tagaccttct tgctggcctt ccctctacct ctacctctgc tgctgctggt 540
 ggtggttcca cgcttggtag ctg 563

<210> 8316
 <211> 561
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-090-Q1-N6-H12

<400> 8316

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tctaacaatt caacttggat ccttgcaacc gaaaaaaata aaaccctaca acacaaaatc 180
aaacccttca cccctattct tcatttctcc taacccaaat caccgagaca aacacttgaa 240
cacaagcgtg tactctgtgc tccctccgtt tctgctacac cccttgtctt ctttgttgga 300
ttacttcggg cagataatTT gaggaagagg aggaacagtg gtgccaaactg tcgacagctg 360
atTTggtaaa tgggagacca cgtcgaaatc atgccttcca tgtgatgcac catccagcag 420
atctgttcac ctcgatgca catccctgtc gcctccaggc atgccatggt tgacagggca 480
tgggctaagc aatgggattg tggcttctat gatgttatgg aacagagttg atattgagga 540
atggatcatgt cccaatttta c 561

<210> 8317

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-H3

<400> 8317

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tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttggt 120
ggtagaacgc tgctgggttt gtcaaagcaa gttgggtgaa tggcagcaat tgttgagtt 180
gtaagagggg gccagcgta ggcgcagcgt gctggtagaa cggcaacaac tgtgggtgta 240
tcaagaaggT agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
gtaaataagc aggagagttc aatgctgcca gttgggtgaa tggaagaaat tgctgggggt 360
aggcagcagg tagctggctg aatggtagtt gttgggtgtg caaataagaa agcagattca 420
atgcagctag ttgggtgaat ggaagaaact gctgttgctg agagtaggca acagggttgc 480
t 481

<210> 8318

<211> 192

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-H6

<400> 8318

gggggaaaaa aatttttttt tttggggggg ggcttttttt ttgcccaaaa aaattttttt 60
 ttgatttcac atattaaaaa aatttaaaaa ggggcccccc aaaaattttt ttttgggaaa 120
 aaagggtttt ggtttttaaa aaaagggttg ggaaaagggg gcaaattttg ggatttttaa 180
 aaaggggtgg gg 192

<210> 8319
 <211> 196
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-H7

<400> 8319

gggaacaaaa cttttttttt ttaatttaaa atggtcatta gggggattgg ttaaactgac 60
 ccttcccccc aggggggggc ggggcaaatt ttttctaaaa aattggcctt taaagactta 120
 aataggtggt tgggcggggg gtttaataca acaaaaattt tttttagggg gggaaacccc 180
 cggcagaaaa tatggg 196

<210> 8320
 <211> 511
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-H8

<400> 8320

ggaacaatac ttttttcttt tcatttcaat tgttcattca ggtcattgct cacactgaca 60
 ctgccacca tggatgatgc tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
 ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
 cgctatctgc gccgccaaca gccccgcgac ctggccgctt tgcggctgct gctgcaggat 300
 ggactggagg accaagccga agatcgctg gtaccggtgc tgcggctcca cctgcctgag 360

ctgctggcaa cactgctgcc gcaacgactg gcaactgaggg gagcagtagg gcgtcgccgt 420
 cgggctgcac tgatgcctca gaaactcgac gcaactggccc aggatcgggg gtgctgcaa 480
 cgcccgagc tccctgcagc tggcacgggc t 511

<210> 8321

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-A10

<400> 8321

cacgcgttct ttaacttggc tccttttaaa cggccgcctt tttttttttt tttttttttt 60
 tttttttttt tttttttttt ttttttgaga acttaagcag gggctttatc aaatgattag 120
 agcacaatca acactttggc aacacttttg cccattcagt gacactttag ttttggcatt 180
 tacattacca acatttgaaa ggaaattagg agcaaaatgg gagcacctta gccttaaagg 240
 cagccacaca ggcgacatgg gatTTTTTcc ataaacctcc tttgatacat ttgataaccg 300
 cacttccagg ttgaaacaca gcttaagagc agcattaaaa actgctgacc gtccttttat 360
 ttggcttttg attcaaaacc attccaacct ttgggcttgg agcttggtgc ccttgaaaca 420
 atttttttgc aatctcataa aatatttcat tcacattgat tgcagtttta gcaaagtgtt 480
 tcattaaaaa aagcccatTT ttcttagcat acccctttgc tttcttttgt tgcaccttcc 540
 ttgcatttag catattaacc tttttttcag caagagccct attgtttttt t 591

<210> 8322

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-A9

<400> 8322

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 ttttgaactt aactcataag aaactaaagg gggcaccacc aatgatgggt tgttggtaga 120
 aactgctgg gtttgtgaag agcaagtgg ttgaatggca gcaattgttg cagttgtaag 180
 agggtgccag cgttaggcgc aacgtgctgg tagaacggca acaactgtgg ttgtgtcaag 240

aaggtacgag ggctcacacc agctagctgg ctgaatggta gtagttgttg ctgctgtaaa 300
 taagcaggag agttcaatgc tgctagttgg ttgaatggaa gaaattgttg ggggtaggca 360
 gaaggtagct ggctgaatgg tagttgttgt tgttgcaatt aataagcgga gttcaatgaa 420
 cccagttggt ttgaatggaa ag 442

<210> 8323

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-N6-B2

<400> 8323

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 gctatgaggg caccattatc gagtacatct catatgtaat ctaaaagagg caccaccaac 180
 gatgggttgc tgccacgaca aggcagggtt catcaaagag aactgggttg atggcagcaa 240
 ttgttgctgc tgtaggaagg cagcgaccaa tgggttagcc accgctagtg gattaagtaa 300
 ctgttgctgc tgtagtaggt acgcagcaga gtccgacaca gtcagttggt tgaatggaag 360
 tagttgttgc aagtaggcag cagggtttgc cacagctagc tgagtaagag ctggtacaat 420
 ttgttgcagc aactgttggt gcaacaactg ttgttgcagg tatgtagggt cattgccccat 480
 agcgagcggg ctagatgaaa gaagtgttgc tgttgtaggt aggcgatagg gttcaccatg 540
 gctagttgac tgagcgctgg tagaaactgt tgcaactggt gttgttggtg gtat 594

<210> 8324

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-B5

<400> 8324

ggaaagtaac ttttttattt ttggttggtc ccattcatta tccaaaaaac tttatttttg 60
 aattacaact aataatcaat ctaaaaaagg ccccccaat tatttttttt tggtaggagg 120

cttcttggtt tgtcaaaaca agttggacaa agggcaacaa ttgttttatt tttaaaaagg 180
 ttgcggggtt agccccaac tgcttgtaaa aaggcagcaa cttttgcttt ttcaaaaagg 240
 aagcaccact tgctgcagct agctcgctaa atggcagtag tatttgctgc tgcaaataag 300
 caacgggggtt caatgcggcc aattgggttaa atggaaaaat ttttttttct taaagttggc 360
 agtaactagc ttgctaaatg gtaatagttg ttgctgcaaa taaac 405

<210> 8325

<211> 529

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-B6

<400> 8325

ctcaacagca atcgccaat atttcttatt tggaaaacac ctttcccccc tctccataac 60
 aaagtatagc aatcaaatca aacggacccc atttttgaca cattaacctg aagattttta 120
 taggattcac tttggttatt agattcagac ataaccaagc tgtcgttgcc cccaacggaa 180
 tttaaggctc cgcgcgcgag ctcccatgcc tcgagcttgg acacctccac cgtgccgctg 240
 ccattgttga acacgaacat gtggctgttg ctcgtctccg cgtgctcagg gtacactcga 300
 gccgtgatgc acatccgccc gtcagctccg aagagtctcc accaccgagt gatcaatcag 360
 gggttctcaa ttgatggtct cgtgctcctc aacgtcgacg tccacgaatc ctccgtatgg 420
 cggcttgtag acgcctgccc tcgtggacga ccttgctcagg tcagtgcaca tgagaagctt 480
 gtacctgcca tggtagctga acgcgcggaa gaaacagcgg tgtgctcgc 529

<210> 8326

<211> 348

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-N6-C1

<400> 8326

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 tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg gtagaacgct 120
 gctggggttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg taagagggtg 180

ccagcgtag gcgcagtgtg ctggtagaac ggtaacaact gtgggtgtat taagaaggta 240
 gnagggctta caccagctag ctggctgaat ggtagtagtt gttgttggtg taaataagca 300
 ggagagttca atgcttcag ttggtttaat ggaagaaatt gttggggg 348

<210> 8327

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-C8

<400> 8327

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 aactataact cataagcaat ctaaaagggg gcaccaccaa tgatgggttg ttggtagaac 120
 actgttggtt ttgtcaaagc aagttggttg aatggcagca attgttcag ttgtaagagg 180
 gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
 gcagcagggc tcacatcagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcagcagagt tcaatgctgc tagttggttg aatggaagaa attgctgggg gtaggcagca 360
 actagctggc tgaatggtaa ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
 tggttgaatg gaagaaactg atgttgctga gagtatgcag caaggtttgc tagcacaagt 480
 tgttgtagtt gttgtgccct gatgttttgt gccaccaa at ggacca 526

<210> 8328

<211> 470

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-C9

<400> 8328

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 ctataactca taagaaacta aagggggcac caccaatgat gggttgttg tagaacgtg 120
 ctgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt aagaggggtg 180
 cagcgtagg cgcagcgtgc tggtagaacg gcaacaactg tggttgtatc aagaaggtag 240
 cagggctcac accagctagc tggctgaatg gtagtagttg ttgctgctgt aaataagcag 300

gagagttcaa tgctgccagt tgggtgaatg gaagaaattg ctgggggtag gcagcaggta 360
gctggctgaa tggtagttgt tggtgttgca aataagaagc agagttcaat gcagctagtt 420
ggttgaatgg aagaaactgc tggtgctgag agtaggcagc aaggtttgct 470

<210> 8329
<211> 542
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-091-Q1-N6-D5
<400> 8329

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gctgttggcc cctgttctct tcttccgata ctttcacacg catcaccctt attgcagcag 120
cgagcagcct cggctcactg cctggtggtg gtaccggtgg tggctgcgtt gctcgtcac 180
ttcacagcca ccgcagcacc ggcgatcgcc gtgccgtctt ccccgccggc gttgtcggcg 240
gtaccggtac gggcgatcag cgactcctcg cgggtggaacc aggtctgctg cttcgcgatg 300
aacgcctcca ccgccagccg gaacgcctct gcgtcgtcca tccccagctc caccggcgcc 360
gccgcgcgcg ccgccgccga acgtcgttgc cggcgccctgc cgctctccga cttggcacgc 420
cgcagctccg ccgacgccg cctcgccgtg ccgcccgtg cgcgcgcggt cttctccgac 480
atggccccgc gcggcggctg ggcgcgcact gtcctcgcgt ggtgcgcgcg ctccttgccg 540
tc 542

<210> 8330
<211> 532
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-091-Q1-N6-E4
<400> 8330

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agagaaaaac ctactgtat cctcagctca gaattcgtct ttccgaggaa gcaattcttt 120
ttcatcagtc aaaaatttgc atggtattat ttccagaaag cacaaaacag tcggcgggaa 180

agcactggta agtaacttta tatgtcaagc agcaacctcc tggggtcctc aacgacatcc 240
 ttgatgcgac ggaggaagaa tacagcctct ctgccatcga tcagcctgtg gtcatatgtc 300
 agcgcaagga acatcattgg ccttgcgaga atgtcaccat tcacaaccac agggcggtgc 360
 acaatggaat gcatccccag aattgacgac tgtgggggggt tgatgatagg tgtgctgagg 420
 aggcttccat agacaccacc attggagata gtgaatgttc ctctgccat gtcatcaatc 480
 gagagcgccc cctcatttgc cttctttgca aggttgttta tccctttctc aa 532

<210> 8331

<211> 527

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-E6

<400> 8331

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 tgctggggtt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt gtaagagggt 180
 gccagcgtaa ggcgcaacgt gctggtagaa cggcaacaac tgtggttggt tcaagaaggt 240
 agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct gtaaataagc 300
 aggagagttc aatgctgcta gttggttgaa tgggaagaaat tgctgggggt aggcagcagg 360
 tagctggctg aatggtagtt gttgttggtg caaataagaa gcagagttca atgaacctag 420
 ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg ctagcacaag 480
 ttgttgtagt tgttgtgccc tgatgttttg tgccaataaa tgcaccc 527

<210> 8332

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-F11

<400> 8332

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 gactcaaaac agagactctt tgattgtagg agctgatcca ctcatctat atctgtgtta 120

tcctctttgc tgctgccgct tgtgctgcta ctgcattgct catcttccat ccgtggaagg 180
 ccagagaaca ggtttacggg ccatgaggct gattgcgttg ggtaccttgc ctgtgggtcgt 240
 gccacatggt tgggagcttt gtgggtcttca cacggctcat ggccttcggc agatgccact 300
 tctggaaaga gcttcagttc gagtgggtggg gcggcatgag gtgggttggg cattgctgat 360
 ggtgccagtg gctgctgcaa cgggaataca acgcttgcaa tgggtgggtgg ttgcatcgcc 420
 tgctccgacg agaacactgc cgttgagtga ggaagagggg gatctgatct ggcggtgcca 480
 tggccccaac ctgctggact gcctg 505

<210> 8333

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-F2

<400> 8333

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 attacaacta ataagcaatc taaaagaggc accaccaatg atgtgttggt ggtaggaggc 120
 cgctcgggtc gtcaaagcaa gttggacaaa gggcaacaat tggtttagtt gtaagagggt 180
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 agcacggttt gctgcagcta gctggctaaa tggtagtagt atttgctgct gcaaataagc 300
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 agacagttgg ttgaatggaa gaaattgttg ttgttgaaag tagggagaaa gggttgtcag 480
 agcttcttgg tttgtcacag gtag 504

<210> 8334

<211> 356

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-N6-G2

<400> 8334

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gcaccattat cgagtacatt tnatatgtaa tctaaaagag gcacctcaa cgatggggttg 120
 ctgccttgac aagacaggat tcatcaaaga gaactgggttg tatggcagca attgttgctg 180
 ctgtaggaag gcggggacca atggggttagc cactaccaat ggattaagta actgttgctg 240
 ctgttgtagg tacgcagcag agttcgacag agtcagttgg ttgaatggaa gcagctgttg 300
 caagtaggca acagggtttg ccacagctag ttgagtcaga gctggtacaa tttgtt 356

<210> 8335
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-092-Q1-N6-B3

<400> 8335
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 atttattatt gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt 120
 gttggtagaa cgctgctggg tttgtcaaag caagttgggtt gaatggcagc aattgttgca 180
 gttgtaagag ggtgccagcg ttaggcgcag cgtgctggta gaacggcaac aactgtgggtt 240
 gtatcaagaa ggtagcaggg ctcacaccag ctagctggct gaatggtagt agttgttgct 300
 gctgtaaata agcaggagag ttcaatgctg ccagttgggtt gaatggaaga aattgctggg 360
 ggtaggcagc aagtagctgg ctgaatggta gttgttggtt ttgcaaataa aaagcatagt 420
 tcaatgcagc ttgttggttg aatgg 445

<210> 8336
 <211> 412
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-092-Q1-N6-C2

<400> 8336
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 aagatcaatc atcaatctca gtatacgcat ttcatcgaa ctcaaacag catgagcttg 120
 agataatctg gattacagac gctgctgcac gcaggagagg cctttactaa tggttgaagg 180

cagtgcagac ttttntgatc tctccgttct tccccgtctt tacccttagc cttcccagct 240
 tgagcatggc ggggacgaaa gcattgaaga agttcttttg gctggcgng aacatgttga 300
 caatgggcct ggtggtcttg ttggcgtaaa gcacctggtt ggaggtgaag agacccaaac 360
 cgttctggag gttggggtaa taagcgttgt tgaacctgat gggggtgacg gg 412

<210> 8337
 <211> 104
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-092-Q1-N6-C6

<400> 8337

tttttttttt tttttatttt ttttttttat ttcttttttt tatttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt tttttttttt tttt 104

<210> 8338
 <211> 308
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-092-Q1-N6-D2

<400> 8338

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 tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttggt 120
 ggtagaacgc tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt 180
 gtaagagggt gccagcgta ggcgagcgt gctggttgaa cggcaacaac tgtggttagta 240
 tcaagaaggt agcatggctc acaccagata gctggctgaa tggaaataga ggaagctggt 300
 gtgaataa 308

<210> 8339
 <211> 591
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-092-Q1-N6-D4

<400> 8339

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 tttagaaatg tactttctta tttctgggaa gccacaaaca tcatccaaaa aacttcatta 120
 ttgaactata actcataagc aatctaaaag gggcaccgcc aatgatgggt tgttggtaga 180
 acgttggttg gtttgtcaaa gcaagttgggt tgaatggcag caattgttgc agttgtaaga 240
 ggggtgccagc gttaggcgca gcgtgcaggt agaacggcaa caactgttgt tgtgtcaaga 300
 aggcaacagg gctcacatca gctagctggc tgaatgggtg tagctgttgc tgttgtaaata 360
 aagcagcaga gttcaatgct gccagttgggt tgaatggaaa gaattgctgg gggtaggcag 420
 cagctagctg actgaatgggt agttgttgtt gcaaataagc agcaaagttc aatgcagcca 480
 gttggttgga tggaagaaac tgctgttgc gagagtaggc agaaagggtt tctagcacia 540
 gttgtttagt ttgttgtgcc ttgaagtttt gtgccacaaa atgccccaaa g 591

<210> 8340

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-092-Q1-N6-E10

<400> 8340

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 ctgccacca tggtgatgcg tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
 ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
 cgctatctgc gccgccaaca gccccgcgac ctggccgctt tgccgctgct gctgcaggat 300
 ggactggagg accaagccga agatcgctg gtaccgggtg tgccgctcca cctgcctgag 360
 ctgctggcaa cactgctgcc gcaacgactg gcactgaggc gagcagtagg gcgtcgccgt 420
 cgggctgcac tgatgcctca gaaactcgac gcactggccc aggatcgggg tgctgccaac 480
 gccgcaggtt cctgcagct ggcacgggct tggatcgggc tgttggcacg ggcattgggtg 540
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<210> 8341

<211> 495

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-092-Q1-N6-E11
 <400> 8341

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 ctttgtcggg tccattttaat ttgtaatacta aagttggccc ctccaacgtt gggttgttgc 120
 agggcagggt tcttaaaaaa gaactgggtt tttggcacca tttgttgttg ttgttgcagg 180
 aaggtaccac ccaatgggtt agccactgcc aatgggttaa gtaactgttg tcgttgttgt 240
 aggtcccccac caaattttgc cccacccagt tgggtgattg gaaccaactg ttgtaagtag 300
 gcaccagggt ttgccacagt tagctgatta aaacctgggc caatttgttg caccacctgt 360
 tggtttaggt ccttaggtcc tttgcccacc ggaggcgggt taaataaaat tagttttagg 420
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 tggttgttgc ggttt 495

<210> 8342
 <211> 499
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-092-Q1-N6-E3
 <400> 8342

gaatctggna atgtaacttc ttattttctgg ttggccacat acatcatcca aaaaacttta 60
 ttattgaatt acaactaata atcaatctaa aagaggcacc accaatgatg tggtgttggg 120
 aggaggctgc tgggtttgtc aaagcaagtt ggacaaaggg caacaattgt ttagattgta 180
 agagggttgc ggggttagcc gcaaactgct ttagaaaagg cagcaactgt tgctgtgtca 240
 agaaggaagc acgacttgct gcagctagct cgctaaatgg cagtagtatt tgctgtgtca 300
 aataagcagc ggggttcagt gcggccaatt ggtaaataatg aagaagttgt tggtgtgag 360
 agtaggcagt agctagctgg ctaaaatgta atagttgttg ctgcaaataa gcagcagggt 420
 tcagtgtaaa cagttgggtt aatggaaaaa aattgttgtt gctgaagata ggggaaaaag 480
 gtttgccaaa actacttg 499

<210> 8343
 <211> 93
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-092-Q1-N6-F6

 <400> 8343

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 attgaactat aactcataag aaatctaacg cag 93

<210> 8344
 <211> 494
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-092-Q1-N6-G6

 <400> 8344

 gaatctagaa atgtactttc ttattttctgg gaagccacaa acatcagaca aaaactttat 60
 tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg gggtgttggt 120
 agaatgctgc tgggtttgtc aaagcaagtt gggtgaatgg cagcaattgt tgcagttgta 180
 agaggggtgcc agcgtttaggc gcagcgtgct ggtagaacgg caacaactgt gggtgtgtca 240
 agaaggtagc agggctcaca ccagctagct gggtgaatgg tagtagttgt tgctgctgta 300
 aataagcagg agagttcaat gctgtcagtt gggtgaatgg aagaaattgc tgggggtagg 360
 cagcagatag ctggctgaat ggtagttgtt gttgttgcaa ataagaagca aagttcaatg 420
 cacctagttg gttgaatgga aaaaactgct gttgctggag ataggcaaca aggtttgcta 480
 gcacaagttg ttgt 494

<210> 8345
 <211> 154
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-092-Q1-N6-G9

 <400> 8345

 tttgggttttt tttttttttt ttttntntntn tttttttttt tttttttttt tttttttttt 60

tttttttttt ttggtttttt tgggtttttt ttttgggggt ttttggggga ggggcgtgtt 120
 atttttgggg gggcccgcag gccccccgag gaag 154

<210> 8346
 <211> 337
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-093-Q1-N6-A3

<400> 8346

ggggaggggg ggggtggggg ggggaggggg ggaggggggt ggggggggtt gggagggggg 60
 gggagggggg gggggggtta tagggtttag agggggagag agagggaggg ggggggagag 120
 tgagggggga agggaagagg aaaagagaga agagaggtgt agagaaggag gaggagtga 180
 aaaggaggaa ganggaaaag aggaagaaag ggaggagaga aaagagaaga agggagaaaa 240
 agagaaaaag atagaaaaag agagaaagga gaggggaagag aaaaaagtga aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa gaggaaagga gagagag 337

<210> 8347
 <211> 126
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-093-Q1-N6-B1

<400> 8347

gggggggggg ggttaagaaa taaatcttaa ttaatatatt gattatttnt aggaaacaca 60
 cgtnggtatg agggcaccat ttagagtgtt ttnattgtaa ataaaaaggt attttaagat 120
 ggggttg 126

<210> 8348
 <211> 564
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-B10

<400> 8348

aagaatctag aaatgtactt tcttatttct gggaagccac aaacatcaga caaaaaactt 60
tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atggggttgtt 120
ggtagaatgc tgttgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt 180
gtaagaggggt gccagcggtta ggcgagcggt gctggtagaa cggcaacaat tgtggttgtg 240
tcaagaaggt agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
gtaaataagc aggagagttc aaagctgtca gttggttgaa tggaagaaat tgctgggggt 360
aggcagcaga tagctggctg aatggtagtt gttggttgtg caaataagaa gcagagttca 420
atgcagctag ttggtggaat ggaagaaact gttggttctg agagtaggca gcaagggttg 480
ctagcacaag ttgtttagt tgttgtgccc tgatgttttg tgccaataaa tgcaccaaag 540
taactgctgt aatagggctg atga 564

<210> 8349
<211> 413
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-093-Q1-N6-B11
<400> 8349

ccgccctttg gggggggtgt ttgataaaca ttagcaagtg gtttgagccg tntgtttaca 60
aaatttgcca gttgcagagt cgtccattct ctctatttaa aactctcttc ttttttcaac 120
agctttcaat gaattgcaaa tacaggcttt tttattaaag gcggggggtg taattaccaa 180
atccggtacc tgtattcagg cgggcactca cagatgcgct gtcgnctaag gtctgccttt 240
aaccgtgcag ggctccaaag caagcacaac tgtgtatctc aaagagaaac caagctcacc 300
atattatcaa tcatgcgcca acctggcaac ttcgctcgcc cttgccaatg tgcaatgcat 360
gcactccctc tggcctgatc catgtgacct ggtcctctta aaatggcaat ggt 413

<210> 8350
<211> 155
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-093-Q1-N6-B3

<400> 8350

agaaagtact ttcttatttc tgggaagcca caaacatcag acaaaaaact ttattattga 60
actataactc ataagaaatc taaaagtagg caccaccaat gatgggttgt tggaagaacg 120
ctgctggggtt tgtaaaagca aggtggatga atggc 155

<210> 8351

<211> 237

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-B7

<400> 8351

aaaggggggg gtcatttagg gggggggggg gatttgaaaa taagggtttt tgggatgagg 60
ggtggaaaag ggggaacaac aaagaaaaaa tgtggggaaa gaggggaagg gggatagaaa 120
gagggggggg ggggagaagc acaccaagaa agagaaggcg gtggaggggg tcagtaaggg 180
agaagaagaa aaaaaagaga aaaaaagaaa aggggggggg agaggaggga aatgatt 237

<210> 8352

<211> 402

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-C1

<400> 8352

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggggggng 60
ggnggggggg gggggggggg gggggggggg nggggggggg gggggggggg gggggggggg 120
gggggggggg ggggggtggg ggggggnggg gggggggggg gggggggggg gggggggggg 180
ggnggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggcggggggg 240
gggggggggg gggggggggg gggggggggg ggggntgggn nngggnggng gggggggggg 300
gggggggggg gggggggggg gggggggggg gggggggggg gggggggngg gggggggggg 360
ggggggnggg ggnggggggg gggggggggg ggcggggggg gg 402

<210> 8353

<211> 470

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-093-Q1-N6-C11
 <400> 8353

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gtgggggtttt tttttttttt taggaaagcg aaaaacgaaa actctatgtt taattgacac   60
cttgaagggtc ttaaataatat agagaggaca acgcagcgag gatgcatggg cttttcatca  120
tcgattaaag tatcagaacc ttattgtggc gtgcatgcat gcatctgccg gttttcgaag  180
aagggtttttc ctcacattga cagccccaca catgccgcgc agcaacgagt accccgctat  240
cactccactg gagcatagac gacacatgtt ctgcttggtg tgtaaaccga gaacgaatat  300
ggcgstattat catgcgaaca gtcggcggtg aagtgtctcg ctgctgatg gatcctgcta  360
aatccaccaa atagtccagc gttgggggtc aagaccacct tataacccc aggcttgctg  420
acaaccaat acggtgtgaa aatagctgtg tgggtgctttg gaagttggac              470
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<210> 8354
 <211> 221
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-093-Q1-N6-C2

<400> 8354

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atagaaaaac acgttaaatt tagtaatata taggatgaca gatattgttg atccaaagca   60
ggtaatggaa atacaaaggg tcataaaaag gttttttttt atttntaggg gagnttataa  120
cattttattg tgggggggaaa aatggtgaag ggaaaatatt tttntaaag aataaaaaag  180
aaagaaaggt tgagtttttg ttaagggggt ttttccataa a                    221
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<210> 8355
 <211> 393
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-C3

<400> 8355

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aatagcacia tcatgtttat taaaacatgg gggcaagctt ttcgcaggaa aaagcagatc   60
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aaccgcccgt gagtggggaa ggcttgatgc aggctctagc acttcacaaa ggaatttgca 120
aaccattct aatatgtctc gacgcagcga aactgtgggtg atggcaaatac cgcacaacca 180
tcgatgggca aacgctcagg ctgactatcc ttttcgggca cactggtttt tgcacacttt 240
acacaacacc cctcctgcag ctgatcgaat tttcactcca cataccctaa tttagctgac 300
caattttttt gtaagcctct ttgctggagg gatatcgtca gaatttccca aaaaagtccg 360
acttgccatg gtccggccct tgattatggg ggg 393

<210> 8356
<211> 438
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-093-Q1-N6-C4

<400> 8356
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attattgaag tataactcat aagcaatcta aaaagggcac cacctattat gggttgttgg 120
tagaacgctg ttgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt 180
aagaagggtgc cagcgtagg cgcagcgtgc aggttgaacg gcaacaactg ttgttggtgc 240
aagaaggcaa cagggctcac aatcagctag ctggctgaat ggtggtagct gttgcttttg 300
taaataagca gcaaagttca atgctgccag ttggttgaat ggaagaaatt gctgggggta 360
ggcagaagtt agctgactga atggtagttg ttgttgcaaa taagcagcag agtttcatgc 420
aaccggttgg ttgaatgg 438

<210> 8357
<211> 465
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-093-Q1-N6-C5

<400> 8357
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gaacttaact catagaaact aaagggggca ccaccaatga tgggttggtg gtagaacact 120
gctgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg taagaggggtg 180

ccagcgtag gcgcaacgtg ctggtagaac ggcaacaact gtggttgtgt caagaaggta 240
gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg taaataagca 300
ggagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta ggcagcaggt 360
agctggctga atggtagttg ttgttttttg caaataagaa gcagagttca atgaacctag 420
tttgttgaat ggaaaaaact gctgttgctg agagtagcaa caagt 465

<210> 8358
<211> 537
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-093-Q1-N6-C7

<400> 8358

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aatccaggcc cccaatgtcg attcaacatg taactaacat ttgctgctac aacattctac 120
cctacaacat tgaaggacac aaaagagcaa aaagaaagaa aaaatgcctt ggatgacact 180
tttattgctc cgatgatctc caacagactg atctgcagat cacgcatgta accaggtgct 240
gatcattgtc gaatgtcgag acacacagct gcatgtcgca cgttcacttc atataactgt 300
tccactaggg agtaaagcat ccttgatcac tgtgacaatt ccacctttga tgaagtacc 360
gtctgtctcc attgcagctt cttgaacatt gtcagcattg agtatcttaa cattgtctcc 420
aattcgagca ttcttgtcaa tgattgtctt cctgatgcat gaaattttcc caataccaat 480
aggaatgcc a cttttttcgg caaggagttt tttatcagct tctgtctcat agtagtc 537

<210> 8359
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-C8

<400> 8359

gggcgaaata aaaaggtgc caaaccccc ccttaataat gcccttactc aaggaaaaac 60
aaggtttttg ggataaacac aaccaatttt gactgttctc ggtgggggcc cccccccaa 120
aataagacat tggttcattt tccgcttaat ttccaatgaa aatgttttcc aaatcccaaa 180

tttttattgt ttctttttgt cccatgaaat acattttcta aaaaattcgg tccccctttt 240
 tatttttttac ccgccaatat ttcactctaa acaaaaactt tgaagttggt tttaattatt 300
 ttgggcaagg aaattcccac cccittaaaa taaaactttg gtttgcttgc ttgggggggc 360
 tttaatttgc tctaaaaagg aaaaaaattt ttttt 395

<210> 8360

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-C9

<400> 8360

ggaccaagg tttaaatttt attttggcaa gttttttatt ttacaatggt gaagcaaaag 60
 ttattttaaa gtttctgcac aagcatttac aagttttttg ggggt 105

<210> 8361

<211> 557

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D10

<400> 8361

atatcgagga aaatctcaat caatatattg attattttta ggaaacacat gccgctatga 60
 gggcaccatt atcgagtaca tctcatatgt aatctaaaag aggcaccacc aacgatgggt 120
 tgctgccacg acaaggcagg gttcatcaaa gagaactggt tgtatggcag caattgttgc 180
 tgctgtagga aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt 240
 cgctgttgta ggtacgcagc agagtccgac acagtcagtt ggttgaatgg aagtagttgt 300
 tgcaagtagg cagcagggtt tgccacagct agctgagtaa gagctggtac aatttgttgc 360
 agcaactggt gttgcaacaa ctgttggtgc aggtatgtag gtgcattgcc catagcgagc 420
 gggctagatg aaagaagttg ttgctgttgt aggtaggcga tagggttcac catggctagt 480
 tgactgagcg ctggtagaaa ctgttgcaac tgttggttgt gttggtatgc aactacgttt 540
 gccaaaacaa gtgggtt 557

<210> 8362
<211> 290
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D11

<400> 8362

aagatctaga atgtactttc ttattttctgg gaagccacaa acatcagaca aaaactttat 60
tttgaactat aactcataag aaactaaaag aggcaccacc aatgatgggt tgttggtaga 120
atgctgttgg gttggtcaaa gcaagttggt tgaatggcag caattgttgc agttgtaaga 180
gggtgccagc gttaggcgca gcgtgctggt agaacggcaa caattgtggt tgtgtcaaga 240
aggtagcagg gctcacacca gctagctggc tgaatggtag tagttgttgc 290

<210> 8363
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D3

<400> 8363

agaaatgtac tttcttattt ctgggaagcc acaaacatca gacaaaaaac ttattatttg 60
aactataact cataagaaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120
gctgctgggt ttgtcaaagc aagttggttg aatggcagca attgttgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtggttg tatcaagaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gatgttgctg ctgtaaataa 300
gcaggaaagt tcaatgctgc cagttggttg aatggaaaaa attgctgggg gtaggcagca 360
agaatctggc 370

<210> 8364
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D4

<400> 8364

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ttgaactata actcataaga aatctaaaag agggcaccac caatgatggg ttgttggtag 120
 aacactgctg ggtttgtcaa agcaagttgg ttgaatggca gcaattgttg cagttgtaag 180
 agggtgccag cgtaggcgc aacgtgctgg tagaacggca acaactgtgg ttgtgtcaag 240
 aaggtagcag ggctcacacc agctagctgg ctgaatggta gtagttgttg ctgctgtaaa 300
 taagcaggag agttcaatgc tgctagttgg ttgaatggaa aaaattgctg ggggtaggca 360
 gcaggtagct ggctgaaag gtagttg 387

<210> 8365

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D6

<400> 8365

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 ttattgaact ataactcata agaaatctaa aagagggcac caccaatgat gggttgttgg 120
 tagaacgctg ctgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt 180
 aagaggggtgc cagcgtagg cgcagcgtgc tggtagaacg gcaacaactg tggttgtatc 240
 aagaaggtag cagggctcac accagctagc tggctgaatg gtagtagttg ttgctgctgt 300
 aaataagcag gagagttcaa tgctgccagt tggttgaatg gaagaaattg ctgggggtag 360
 gcagcaggta gctggctgaa tggtagttgt tggttgtgca aataagaagc agagttcaat 420
 gcagctagtt gggttgaatg gaaaaaactg ctggtgctga gtagtagcag c 471

<210> 8366

<211> 262

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D7

<400> 8366

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 ttattgaact taactcataa gaaactaaag ggggcaccac caatgatggg ttgttggtag 120
 aatgctgctg ggtttgtcaa agcaagttgg ttgaatggca gcaattgttg cagttgtaag 180

agggtgccag cgttaggcgc agcgtgctgg tagaacggca acaactgtgg ttgtgtcaag 240
aaggtagcag ggctcacacc ag 262

<210> 8367
<211> 494
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D8

<400> 8367

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ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattggt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
ttgtaggtac gcagcagagt ttgacacagc cagttgggtt aatggaagca actgttgtaa 300
gtaggcagca gggtttgcca cagctagctg agtcagagct ggtacaattt gttgcagcaa 360
ctgttggttgt aggtacgtag gtgcattgcc caccgcgagc gggctagatg aaagtagttg 420
taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actgttgtag 480
ctgttggttgt tgct 494

<210> 8368
<211> 553
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D9

<400> 8368

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gcaccattgt cgagtacatc tcatatgtaa tctaaaagag gcacctccaa cgatggggtt 120
ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattggt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
ttgtaggtac gcagcagagt ttgacacagc cagttgggtt aatggaagca actgttgtaa 300
gtaggcagca gggtttgcca cagctagctg agtcagagct ggtacaattt gttgcagcaa 360

ctgttgttgt aggtacgtag gtgcattgcc caccgcgagc gggctagatg aaagtagttg 420
taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actgttgcag 480
ctgttgttgt tgctgggatg cagctacgtt cgccagaaca agtgggttgg atgcaagcag 540
ctgctgttgc aag 553

<210> 8369
<211> 514
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E10

<400> 8369

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tgttgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt gtaagagggt 180
gccagcgtaa ggcgacgct gcaggtagaa cggcaacaac tgttgttgtg tcaagaaggc 240
aacagggttc acatcagcta gctggctgaa tgggtgtagc tgttgctgtt gtaaataagc 300
agcagagttc aatgctgcc a gttggttgaa tggaagaaat tgctgggggt aggcagcagc 360
tagctgactg aatggtagtt gttgttgcaa ataagcagca gagttcaatg cagccagttg 420
gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttccta gcacaagttg 480
ttgtagttgt tgtgccttga tgttttgtgc caac 514

<210> 8370
<211> 507
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E11

<400> 8370

tgggtgtttt tttaaaaatc tagaaatgta ctttcttatt tctgggacgc caciaacatc 60
atccaaaaaa cttcattatt gaactataac tcataagcaa tctaaaagag gcaccaccaa 120
tgatgggttg ttggtagaac actgttgagt gtgtcaaagc aagttggttg aatggcagca 180
attgttgcag ttgtaagagg gtgccagcgt taggcatagc gtgcaggtag aacggcaaca 240

actgttggtg tgtcaagaag gcagcagggc tcacatcagc tagctggctg aatggtagta 300
gttggtgctg ctgtaaataa gcagcagagt tcaatgctgc tagttgggtg aatggaagaa 360
attgctgggg gtaggcagca actagctggc tgaatggtaa ttgttggtgc aaataagcag 420
cagagttcaa tgcagccagt tgggtgaatg gaaaaaactg atgttgctga aagtatgcaa 480
caaggttttg ctagcacaaa gttgttt 507

<210> 8371
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E4

<400> 8371

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agtataactc ataagcaatc taaagggggc accaccaatg atgggttgtt ggtagaacac 120
tggtgggttt gtcaaagcaa gttggttgaa tggcagcaat tggtgcagtt gtaagagggt 180
gccagcgta gccatagcgt gcaggttgaa cggcaacaac tggtgttggtg tcaagaaggc 240
agctgggctc acatcagcta gctggctgaa tggtagtagt tggtgcttgc tgtaaataag 300
cagcagagtt caatgctggt agttggttga atggaagaaa ttgctggggg gtggcagcaa 360
ctagctggct gaatggtaat tggtgttgca aataagcagc aaagttccc 409

<210> 8372
<211> 555
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E5

<400> 8372

ctagaaagta ctttcttatt tctgggaagc cacaacatc agacaaaaaa ctttattatt 60
gaactataac tcataagaaa tctaaaaaag ggcaccacca atgatgggtt gttggtagaa 120
cgctgctggg tttgtcaaag caagttggtt gaatggcagc aattgttgca gttgtaagag 180
ggtgccagcg ttaggcgcag cgtgctggta gaacggcaac aactgtgggt gtatcaagaa 240
ggtagcaggg ctacaccag ctagctggct gaatggtagt agttgttgct gctgtaaata 300

agcaggagag ttcaatgctg ccagttgggt gaatggaaga aattgctggg ggtaggcagc 360
 aggtagctgg ctgaatggta gttgttggtg ttgcaaataa gaagcaaagt tcaatgcagc 420
 tagttggttg aatggaagaa actgctggtg ctgagagtag gcagcaaggt ttgctagcac 480
 aagttgttgt agttggttgg gcccctgatg tttgtgccaa taaatgcacc aaaggaactg 540
 atgtaatagg gctga 555

<210> 8373
 <211> 526
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-093-Q1-N6-E6
 <400> 8373

cagataaaaa ctttattatt gaactataac tcataagaaa tctaaaagag ggcaccacca 60
 atgatggggtt gttggtagaa cactgctggg tttgtcaaag caagttgggtt gaatggcagc 120
 aattgttgca gttgtaagag ggtgccagcg ttagggcgaa cgtgctggta gaacggcaac 180
 aactgtgggtt gtgtcaagaa ggtagcaggg ctacaccag ctagctggct gaatggtagt 240
 agttgttgct gctgtaaata agcaggagag ttcaatgctg ctagttgggtt gaatggaaga 300
 aattgctggg ggtaggcagc aggtagctgg ctgaatggta gttgttggtg ttgcaaataa 360
 gaagcagagt tcaatgaacc tagttggtg aatggaaaaa actgctggtg ctgagagtag 420
 gcagcaaggt ttgctagcac aagttgttgt agttgttggt cccctgatgtt ttgtgccaat 480
 aaatgcacca aaggttaactg ttgtaatagg gctgatgatt gttgga 526

<210> 8374
 <211> 150
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-093-Q1-N6-E8
 <400> 8374

cataatgtat ggtactttat tgcttaacac cgttttagga gtataacggc taggtagaca 60
 caattcttca attgcaaaca ccactaatgt cattgctgct gcatggatta ttttggtagt 120
 ttgagtggta caagccgcac attgatggta 150

<210> 8375
<211> 544
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E9

<400> 8375

gattcattaa aacaaaaatt tattatgacc atgcatatat tattggtcat accacacatg 60
ataatgtgtg tcgtcttact gcattattac atatatagat agagagagat ggatagagga 120
gatttcccaa atatcatgaa tcagtagtag ggcggaatgg cagcggagac cccacaaggg 180
ttggtgcggt agctgggcag ctggtactgg tagagtccac ccatggccgg catgttctgc 240
gccatcatca tggccatggg gttgagaccc tgggctgcca gcagctgctg ctgctgctgc 300
atcagagctg gctcgtacag gctgctgctg gcggcagcgg cacgctcaag ctgcatcatc 360
atctgcagct gctgcgcgac ggactgcacg tccatcatcc tcactctgctg ctggcagcac 420
tggttgcgga gcggctggaa catggcgctc ggctgcccac acccggcgta gtagggcgcc 480
gccgccagcg ggctgcactg cgggtgcctc aagtactccg cgtaggggta cagcccgcg 540
gcgc 544

<210> 8376
<211> 591
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-F10

<400> 8376

cgtgcgcg tacttactgg tccttaacgg ccgccttttt ttttttttc atttgagacc 60
tctttggaat attcaaaaana gtttccatta ggattaattc actctgaaca gggaagatgt 120
ggttaacagg ccagagatcc tgaaaacatc tggtctgcct aacgcctagg taacaaagca 180
acaagcctgc agcatcttac atcactcgag tctcttctac tcttcaggat caatcaatct 240
ccattcagga gatactctcg agccatatgc taccaccca ttcacacata aatactagt 300
gcgcacacaa accttgaatc agcagcagcc cagccctatt ctttggtccg ggtccctcgg 360

tcttttcttgt gtcctcccag gatacgggag atctgcagac ctctgctgaa cgcctggttg 420
aacagcatcc tgggtctggaa ttccgacacg aacgggaacc aggcgaggaa ggcgatgggc 480
gtgaacagga gaagtcccat caggatctcg tagccccggg caagagcctt gatcgagccc 540
cagagcccag tcttgtggat cacaggccgg atcgcttggg caatcaacag c 591

<210> 8377

<211> 467

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-F11

<400> 8377

ttggatcttt aaaggccgcc cttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt ttttggggtg acaggttttg ttggtccaaa acaggatgat ggaatacaaa 120
gggtcataaa aagggttggt ggaactttta gggcagcttt ttacagttca ttcttggggg 180
acaaatgggtc aaggaacaac attccagact tcccattttg ggcccgaacg ctcgactttc 240
ttttaagcgg gttttaccat tccaagttt cacgatccat tgttgcaata ccattgtagg 300
ttcttgtttt gttgacgcaa acccagccga ttttttttac agaccatcg ttgatgggtg 360
cttttttttag ggtcaccacc atttcagacc ttttgttgta cccttttttc gggatgatcag 420
ccttttggtt tccctttact gttttgtggt caccaccttt tttccaa 467

<210> 8378

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-F12

<400> 8378

cgctcaaagc acacagtttg gtaattaaac tgatcaattt acagcatgat gtttccccaa 60
atccaggccc ccaatgtcga ttcaacatgt aactaacatt tgctgctaca acattctacc 120
ctacaacatt gaaggacaca ggagagcaaa aagaaagaaa aaatgccttg gatgacactt 180
ttattgctcc gatgatctcc aacagactga tctgcagatc acgcatgtaa ccagggtgctg 240
atcattgtcg aatgtcgaga cacacagctg catgtcgcac gttcacttca tataactgtt 300

ccacttggga gtaaagcatc cttgatcact gtgacaattc cacctttgat gaagtacccg 360
 tctgtctccc ttgcggggtt ttgaacattg tcagcattgg gttttcttaa cattggcttc 420
 aattccgagc attctttgtc tatgattgct ctctgggtgg cctgaatttt ttccccattc 480
 ccaattggga atgccacctt tttt 504

<210> 8379

<211> 286

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-F4

<400> 8379

gttgggggtgt ttttttaaaa ccaaaactta ttatgaccat gcatatatta ttggtcatac 60
 cacacatgat aatgtgtgtc gtcttactgc attattacat atatagatag agagagtatg 120
 gatagaggag atttcccaaa tttcatgaat gagtggttgg gcggaatggc agggggagac 180
 gccacagggg ttggtgcggt agttgggcaa ctggttctgg tagagtacac ccatgtgtcg 240
 gtatgttttt tgttatcatc attgccatag ggttgagacc ttggtt 286

<210> 8380

<211> 184

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-F6

<400> 8380

gcacgcgtac gtaactggac cttagaggcg ccttnttttt tttttttttt ttattttttt 60
 tttttttttt tttttttttt tttttttttt ttggggattg cttttttggt ggggaggcgt 120
 gtgagggggg gggtaaaagg ggggggagag aaaagggggg gggggggaaa aaacaaaagg 180
 gggg 184

<210> 8381

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-F7

<400> 8381

ggaaaggggc tttttttttt tggggggggc ccaaaccctt tgcaaaaaac cttttttttg 60
ggggtttacc ctttaagccat ttaaaagggg ggcccccca tgggtgggtt ttgggaaaac 120
ccttttggtt ttttcaaac aaggtgggtt aatgggcaca attgttgccg ttttaaaagg 180
gggcccgcgt ttgggcccc gtgccggtt aacgggaaca actgttggtt gggttaaaaag 240
ggaacagggg tcacataaac tttctggctt aatgggggga gctgtttttt ttgtaaaaaa 300
gccgcgaagt ttaatgctcc ccattgggtg aatgggaaaa atatgtgggg gggg 354

<210> 8382

<211> 168

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-F8

<400> 8382

aaaaccccct ttttgggggg gggggtagaa aaaaactatt cttatttgct ggggaagcca 60
caaacattag gcaaaaaatt tattattgaa ctctaactca ttagaaatcg aaaagaggca 120
ccaccaatga ttgttttttg gtngaacact gctatgtttt ttttgggg 168

<210> 8383

<211> 585

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G11

<400> 8383

ggccgccctt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tagaaatgtt cttttttttt tttgggaagc cacaaacatt agacaaaaaa 120
cttttttttt taacttttac tcataaaaaa ttttaaagag ggggccacca attattgggt 180
gttggtaaaa cccttcttgg tttttcaaaa caagttgggt taattgcaac aatttttgca 240
attttaaaag ggtgccaacg ttaggccac cgttcttggt gaaccgcaac aactttgggt 300
tttttaaaaa ggtagcaggg cttacaccac ctagcttgct taatggtagt agttgttgct 360

tcttttaata agccggaaag ttcaattctt ccagtttggt gaatggaaaa aattgcttgg 420
 ggttgccac aagttccttg cttaatggga ttttttggtg ttgcaaatta aaaccaagtt 480
 taatgcacct tttttggttt attggaaaaa actttttttt ctttagaatt ggccacaatg 540
 ttttcttccc caaatTTTTT tttttttttt tttcccttt ttttt 585

<210> 8384

<211> 497

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G4

<400> 8384

aacagaattc caactggaac ggtgttttoga attaaagcaa attaactctg gtactggtag 60
 attcgactcg aataggatcc aaaataactca cggcaatatt actggccaca caaagcagac 120
 atatagctat ggataaatgg ggggtggtgca ttgccagcc accaccattg ccagcacccc 180
 aagaaaagga ctgatcgga gtcacgcta gatcttggtg aaggcaacta tgtttagatt 240
 ctgcacgtac tcgttactg gtcacgca cagatagtcc ttaatgagag ttttgacaga 300
 gacaagggtg gttacgatg tgataatgat ttgcagcttt tttgttccat attcaactgg 360
 tacaagcttt gatgcgcccc aagatatact tttcatttgg acacttctta acaaatttct 420
 tgaactttgg ccatgtcagt ctaatgggcc aaggtttta ctttaagtaa actgatgact 480
 tcccatattt ttttttt 497

<210> 8385

<211> 478

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-G6

<400> 8385

gtaaaaaacta gaatgtactt tcttatttct gggaagccac aaacatcaga caaaaaactt 60
 attattgaac tataactcat aagaaattaa agggggcacc accaatgatg ggttggttgg 120
 agaacgtgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
 agaggggtgcc agcgttaggc gcagcgtgct ggtagaacgg caacaactgt ggttgatatca 240

agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcang agagttcaat gctgccagtt ggttgaatgg aagaaattgc tgggggtagg 360
cagcaggtag ctggctgaat ggtagttggt gttgttgcaa ataagaagca gagttcaatg 420
caactaggtg gttgaatgga aaaaactggt tttgcttgag agtaggcatac aagggttg 478

<210> 8386
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G7

<400> 8386

aaatctcaac caatTTTTTg atTTTTTTTT ggaaacacat gccggtttgg gggccccatt 60
ttcgggtcca ttttattttt tatctaaaag gatggccct ccaacggtgg gttgctgcct 120
cgccaagaca gggtttatta aagagaaccg gttgtttggc aacaattgtt gcttcttttg 180
gaaggcagcc accaatgggt tagccactgc caatggatta aataactgtt gtcgcttttg 240
taggtcccca aaaaaattcg acataattag ttggttgaat ggaaacaact tttgcaagta 300
ggcaacaggg tttgc 315

<210> 8387
<211> 521
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G8

<400> 8387

aaaaatgtac tttcttattt ctgggaagcc acaaactca gataaaaact ttattattga 60
actataactc ataagaaact aaagggggca ccaccaatga tgggttggtg gtagaacact 120
gctgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg taagagggtg 180
ccagcgtag gcgcaacgtg ctggtagaac ggcaacaact gtggttggtg caagaaggta 240
gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg taaataagca 300
ggagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta ggcagcaggt 360
agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa tgaacctagt 420

tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc tagcacaagt 480
 tgttgtaatt gttgtgccct gatgtttttg tgccaataaa t 521

<210> 8388
 <211> 260
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G9

<400> 8388

ggtgtgtgtg tttttttttt tttttttttt tttttttttt tttttttttt attttttttt 60
 tttttttttt ttttttttgt aggttgggtct ttttccaggg gggccttggg tgttttctgg 120
 gggaggggtg tttggggggg ggttgtgggg gggggggggg gggtttggga ggggaacaaa 180
 caaaatttga aaaaaaaaaa aaaaaaaga gggttaccag gctaaggcga ggggttttcc 240
 cgttcaaatt tggagggggg 260

<210> 8389
 <211> 329
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-093-Q1-N6-H10

<400> 8389

gggggggggtg tttaaactct aatcaatata ttgattattt ctaggaaaca cacgtcggtn 60
 tgagggcacc attatcgagt acatctcata tgnatctaa aagatggcac ctccaacgat 120
 gggttgctgc ctgcacaaga catgattcat ggagagaact ggttgtttgg cagcaattgt 180
 tgctgctgtn ggaaggcggc gaccaatggg tttgccactt ccaatggatt aagtnactgt 240
 tgctgctgtt gtgggttctc agcagagttc gaccgtgtca gttggttgaa tggaagccgc 300
 tgtttggctg tgggccccag ggctttgcc 329

<210> 8390
 <211> 144
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-H3

<400> 8390

attaaaaacca aaacttttatt atgaccatgc atatattatt ggtcatacca cacatgataa 60
tgtgtgtcgt cttactgcat tgttacatat attgatagag agagatggat agaggagatt 120
tcataaatat tatgaatgag ggag 144

<210> 8391

<211> 204

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-H8

<400> 8391

ggggggtgtt ttagaaatgt actttcttat ttctgggaag ccacaaacat cagacaaaaa 60
ctttantttt gaactttaac tcataagaaa tctaaaagag gcaccaccaa tgatgggttg 120
ttggtngaac actgcttggt ttgttgagggc ggggtgggtg tatggccgca attgttgctt 180
ttgttagagg gtgccaatcg ttag 204

<210> 8392

<211> 484

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-A10

<400> 8392

acagaaaaca tatatcaatt atttgttaaa cctattaaaa ggttaaaacc aattttaatt 60
tggaacagat ggagtacttt ttttcttttc atttcaattg ttcattcagg tcattgctca 120
cactgacact gccacccatg gtgatgcgtg acacattatt actcaatcat cgccgcttaa 180
tgactcaact agcttgcttg ccagcggctt ttctacagca cattgtttct tcagtggggg 240
acaccgcccg cagcagcgtt ggggcctgga gtcggctgct gcaggccgca cattgccgtc 300
agttgctgcg ctttttgcg cgccaacagc cccgcgacct tgccgctttg cggctgctgc 360
tgcaggatgg actggaggac caagccgaat atcgcttggg tccggtgctg cggcttcacc 420
tgccctgggt gctggcaaca cttctgcccc aaccactggc ccttatgcga gcagttgggc 480

gttg

484

<210> 8393

<211> 584

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B8

<400> 8393

gcagcaaaac cattactttg atctgacaca atactcacat agttttgcat acacacatat 60
gctcctgcaa ctactattta ttaacacaca aacatcaacg ggccgaaaaa cctcacatca 120
aagcacagcc atctcacgat tattgtcacc cttcacagca ttcagattag gccttcctgc 180
acacgcctcc ctgcgacaca taccacagcag gggcttcctc actcatcttt tcctcaccca 240
acgcgcactt ggggtgcagg tcaaagtcac actcgtcgca cctgtaggac cagctgctgc 300
ccatctcgtc acaaccatca cagcggtagc taccacggcg cagcaggaca agttcgtgct 360
cgtcatgcag ctcatgcttc agcttctgag gccaccctt cgccatctca tccagcttct 420
tctgtagctc ctcaagtctc tcctcgggtga atgggaaagc atcagcaccg tggatcatca 480
gctgggactt tgcgtccctg ctgactgtct gcccagtagg tccgatggcg acaagtgaag 540
ggattccacg gatcttgaag ggttttcttca gcgatgcttt cctt 584

<210> 8394

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C3

<400> 8394

agaaatgtac tttcttattt ctgggaagcc acaaaccatca gacaaaaaac tttattattg 60
aactataact cataagaaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120
gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tatcaagaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcaggagagt tcaatgctgc cagttgggtg aat 333

<210> 8395
 <211> 605
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-N6-D9

<400> 8395

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 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180
 tgtggggggg acggcgggga aaaatttttt ttttttttgg aaaaaaaccc ccctgttggg 240
 gggccccctt tgtgggcccc tttttttttt taaaaaaaaa gggcccccca aaatgggggt 300
 ttttcccccc aggggggggg ttttaaaaaa aaaaagtgtt tttggggaaa aaaatttttt 360
 ttttaagaag aaagcccaca aatgggtttc ccccccggg gggaaaaaaaa aaatttgggg 420
 cgttttgggg ggcccccca aattttaaca aaaaaatttt ggtaaaaaaaa aaaatttgtc 480
 aaaaaaaaaa aaaaggattt tccccattt gggggaaaaa aaggggcaa atttttttaa 540
 acaaatggtt gggaaaaaaaa acttttgnga cggtttttgg gccccctccc caaaaggggg 600
 cgctt 605

<210> 8396
 <211> 256
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-N6-E4

<400> 8396

 ggaacaatac ttttttcttt tcatttcaat tgttcattca ggtcattgct cacactgaca 60
 ctgccacca tggatgatgc tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
 ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
 cgctatctgc gccgcc 256

<210> 8397
 <211> 555
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-N6-E7

 <400> 8397

gcctcaatga gttaggactg tattcgagca aacaagcaac caaacaggat ctaggtgaga 60
 gccaggggtgt gttgccctgg catagctggc tagacagacc aggtctaaaa acgcaaacca 120
 aacacgcccc acccattctg gtcccgctctt gaaacttcaa ttcctcatat actccagcga 180
 gcaaacaaac aacatatcga tgggtgacaat gacattgttt aacggcacag tgctaaccgt 240
 tacacagcta tgtaattatt atgggcctct gagttccatg atcagataga ggtgcagggt 300
 gcctttcgcc ggctcatttg cgcagcaagt ctctcagttt atcgggtggct gacctcagtt 360
 cggcagcgat gccaaacttca ttggccgagt gccctgcac tgctaccacc ttgaattctg 420
 cttcaggcca agccttatga agatcccaag cagacatcat agggcaacaa acatcataac 480
 gtccctgtac aataaaacct ttaatatgnt cggatcttat caacattgtc caataggaat 540
 gagtccgagg gtaaa 555

<210> 8398
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-N6-E9

<400> 8398

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 tattgaatta caactaataa tcaatctaaa aggggcacca ccaatgatgt gttgttggtg 120
 ggaggctgct gggtttgtca aagcaagttg gacaaagggc aacaattggt gtagttgtaa 180
 gagggttgct gggtttagccg caaactgctt gtaaaaaggc agcaactggt gctgtgtcaa 240
 gaaggaagca cgacttgctg cagctagctc gctaaatggc agtagtattt gctgctgcaa 300
 ataagcagcg gggttcagtg cggccaattg gttaaattgga aaaagttggt gttgctgaaa 360

gtaggcagta gctagctggc taaatggtaa tagnttggtg ctgcaaataa gcacgcaggg 420
 ttcagtgtag acaatttctt ccattcaacc aactgtccgg nn 462

<210> 8399
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-F11

<400> 8399

gaatgtacag gtgaaccgcg cattgtatta tatgggtccag aagaactcga ctactgctgc 60
 tcactcagga gaagggcctg gaagcagcta ggcgacacta gtagctagct agctagctag 120
 gcggagaaga ggccgtcggc ggccggccagg gcgagcgcg tcttgggctc caggtgcacc 180
 gcgacgctga acctcacccc ggacggggcg gggcgggact ccaccacga gctccacacc 240
 ttggccacgg cccgaagtt cctcctatat tcgccggcgc cgccgccgat gtcctcgccg 300
 ggggcgcctc gcttcagctt cttgtcgaaac tgctccgtca ccagcaacgc gatgtctgcc 360
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 atctgtg 427

<210> 8400
 <211> 572
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-F5

<400> 8400

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 atctgcacaa acttgaaaaa ttactggttc aaaaagtaac tggagaggac tgttcataga 180
 gatgaattag aagcctcctt gtttaaagggt ttttgcagca caggtcaagt cacaattttt 240
 tccaatttgc caatatctcc aattgaggaa aatccacctc caatgtctac agtaccacat 300
 aaatccaggt ctcaaacctt gctttactat taaatatcga tggagagaca gaatgtcagc 360
 cattcagatc tgaaatcacc aaaaacaagt gacaaaacca acataacatg ctctagactc 420

tgacctgccc ccagttccaa aatcatttat ttgctacatg gatttccaat tgtcaacatc 480
 ctgcaacacc tccaaatatg taagttgaac taccaattat ttgagctaaa tggctctgcaa 540
 cacctccaat tgtcaacagc gagagcgcaa aa 572

<210> 8401
 <211> 141
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-B5

<400> 8401

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 aaaaaacttt tttttttatt ttgggaaaac ttttaaaatc ttctttttta gggaaaaatt 120
 tccttaaaaa aaaggggggg g 141

<210> 8402
 <211> 559
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B6

<400> 8402

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 acaaggcagg gttcatcaaa gagaactggc tgtatggtag caattgttgc tgctgtagga 180
 aggcagtgac caatgggtta ggcaactgcta gtggattaag taactgttgt cgctgttgta 240
 ggtacgcagc agagttcgac acagtcagtt ggttgaatgg aagcagctgt tgcaagtagg 300
 cagcaggggt tgccacagct agctgagtca gagctggtag aatctgttgc agcaattggt 360
 gttgcaggta tgtaggtgca ttaccacaaa cgagaggggt agatgaaagc agttgttgct 420
 gttgtaggta ggcggcaggg ttcaccatgg ctagttgact gagcgctggc agaaactggt 480
 gcaattgttg ttgttgttgg tatgcaacta cgtttgccag aacaagtggg ttggatgcaa 540
 gcacctgctg ttgcaagta 559

<210> 8403
 <211> 579
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-C11

 <400> 8403

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 cactttaagt agtcgcattc acataatgac tgaatagaac aaaacagggg actatcttga 120
 accgcttcac ttcttatctt gcttctctgc ctgagctgcc ttcttctggc gggcaccaag 180
 atgtttcttg ttcacccgct caagggggag cttgccatag gcagcaaatg actacatgtc 240
 atgtgggacc ttgacaacct caactgaacg tttctcacca cgagttaatg gcatgtagtc 300
 accctggacc tgggtagcgg tggcaaacct ctctggagta ggtcaccag ccttcacctt 360
 gcgcgcacgc cttgagaaga taaccagctt ggccttgtat gtcttaagcc tctggacatt 420
 ggctgcagt ccctcaaggg ataagttctt gggcggtga tcaacagaaa aaccaatggg 480
 tggagcaagc ttctttggga tgccaacaac cttcagctnc tcaagggtaa agcctgttcc 540
 agcccttgac ttcattgttg actttaaggt ctggcattg 579

<210> 8404
 <211> 516
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C2

 <400> 8404

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 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttg 180
 gaaaaaaaaa gttttttggg gggggggggg gaaaagagga gaaaaaaaaa agtgtggtgg 240
 ggggaaaagg ggaaaaaag aaaagggggg gggccaaaaa aggggggggg ggggagaaaa 300
 aaaaatggag gtagaaaaa ggggggtggg gtggggataa aatgttttaa ttaaatggg 360
 gtagaagaaa ggaaaagcaa tgggggagaa aaaaaaaaaa aatgtggtta gaaagaaaaa 420

aggggttgac ttaaaaacaa aaaaataagg gataagagaa aggtttttgt gcgcgcaaga 480
aaataaaaaa aaagaataaa aatgtgaaga gagtag 516

<210> 8405
<211> 111
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C6

<400> 8405

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cctgcccccc aggggggggg .ggggcccatt ttttcccaa catcgccggt a 111

<210> 8406
<211> 515
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D4

<400> 8406

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cagacatatg agctagctac aagctcattc ctcatgcact atgctcttcg cagttacttg 120
gagggcatcg ttccgcccgc gagaatccag gggcattcgg cgacgccgct gatggtggcc 180
aggttgcaact cggcctccgt gacgaggggtg gggcggaatc ccctctgcac ctcccgcggg 240
cagcccggca ggtcctctag ggggccctcc agctgcgcgt ccggggcccg cgggatcgcg 300
ccgtccatga ggatgctcag cgccgtgcac cggcagtaag ccgggatgtc cgccagctcc 360
cggcagcatc tcctcttcag ctccggccac gggaggcgcg gcccgatgcc gcaggtccgg 420
ctgggtcacgt accagcggca gctcgggagc ggggttggtg cgggatggcc caccgccgca 480
cgccaggagg tcccggcgct tggcgctggc agccg 515

<210> 8407
<211> 582
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D6

<400> 8407

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cacattagaa tctggaaatg taacttctta tttctggttg gccacatata tcatccaaaa 120
aactttatta ttgaattaca actaataatc aatctaaaag agggcaccac caatgatgtg 180
ttgttggttag gaggctgctg ggtttgtcaa agcaagttgg acaaaggga acaattgttg 240
tagttgtaag agggttgcgg ggttagcggc aaactgcttg tagaaaggca gcaactgttg 300
ctgtgtcaag aaggaagcac gacttgctgc agctagctcg ctaaattggca gtagtatttg 360
ctgctgcaaa taagcagcgg ggttcagtgc ggccaattgg ttaaattggaa gaagttgttg 420
ttgctgagag taggcagtag ctagctggct aaatggtaat agttgttgct gcaaataagc 480
agcagggttc agtgtagaca gttggttgaa tggaagaaat tgttgttgct gagagtaggg 540
agaaagggtt gccagagcta cttggttgat cacaggtagc ac 582

<210> 8408

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E8

<400> 8408

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actttattat tacagtataa agcataaaaa aattagaaga tggcaccacc aatgggtggg 120
tgctgcaata aggtggtagg attcgtcaaa gcaagttggt taaatggcag caattgttgt 180
tgttgtaaga aggcgacatt gtttgccaca tcctgtgggt agaattgtag caactgttgc 240
tgttgcaaga aggcgttaat gtttccaca acctgtgggt aaaatggcag caattgttgt 300
tgttgttgca agaaagcagc aatgtttgcc acaacttgta gatggaatgg aagcaactgt 360
tgctgcagta agaaggcagc agggctcctg acaagttggt tgaatggtag tagctgttgt 420
gcctgcaagt aagcagcagg gttcaccaca gctagttgat tgaatggaag aaattgttgt 480
tgctggaagt aagcagcaag gttcgtgca actacttg 518

<210> 8409

<211> 443

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-N6-F3
 <400> 8409

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ggccccctttt gggggcccct tttattggaa aaaaaaaagg gggcccccca aagggggggg 120
gggccccccc aaaaaggggt tttaaaaaaa aaaaaggggt ttgggggaaa aaattttttt 180
ttttgggggg gggggcccaa aagggggggc cccccccaa agggaaaaaa aaaatggggc 240
ccttgggggg gcccccccaa aaattcaaaa aaaaaatttg tgtaaaaaaa aaaaactttt 300
aaaaaaggaa aaaggggtt cccccattt tggggaaaaa aggggggaaa aattgggaaa 360
aaaaatggtg ggcgggggtt ttgggggttt tccccaaaaa ggggggggat aaaaaaaaaa 420
attttttttt ttttttcggg ggg                                     443

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<210> 8410
 <211> 543
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G11
 <400> 8410

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ctaacattgt gctggtttat ttaggctaaa aataatatta acaaagaagt ctgccttctt 180
ctctacaagc tgaaacttgg ccagaaacga acaagcctga actccttcca caccacaatc 240
cgcagacagc acaagcattg ccccgaccgg gtatccacat gtgagcttcg gcaatggggc 300
ttaagctaaa catagtagat catgccgact tctatcagac taatgtgtgg aatgtgcagc 360
gtgactgatg ggctcttgca gttcttcggg aggaaagagt aaccaacatc aatagcaaac 420
ttcttcagga aatttgagtt cctcctggct ttgatataag aatgccccat gatgtatgcg 480
atcccagcat gtttcgcttc aactagtgcc gtgagttctt ctttcacttg ctgacccatg 540
cca                                     543

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<210> 8411
<211> 154
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-095-Q1-N6-H3

<400> 8411

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ttgcgtcggg ttgtgggggt gggggggggg gggg 154

<210> 8412
<211> 516
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-095-Q1-N6-H9

<400> 8412

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ccagttcccc ttttttttta gggggggggg ggggtttttt ttgtcccaa aaaagggttt 180
ttgcgggggt cccccggcc cccccctttt ttttggggg ggtgggggcc ccccgccctt 240
tttggtgccc ccccggtcc ggccaaaacc gtttttttcc cccccctttt tttggggggg 300
ggggccccct tttcttgggg gggggttttg tttttttcgc gggggccttt ctttttgggt 360
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ttggttggtc ccccttttcg ccttcggggg ggggtttgtg ggagtcccc ccttggtggg 480
cgggtttgtg gggggccctc tttttttttt tttttt 516

<210> 8413
<211> 559
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-A11

<400> 8413

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 aactataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
 actgttgggt ttgtcaaagc aagttggttg aatggcagca attgttgcag ttgtaagagg 180
 gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
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 aatagggctg acggttggt 559

<210> 8414
 <211> 523
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-097-Q1-N6-A12
 <400> 8414

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 aacgtgtgaa agccggagat ctttttggtt ggccgtgcac cggctgcagt tcctaatacgt 120
 ggagtgtcgc tctcacgtga caaactgcac gttttttaac ggtggacggc ggcagtgcac 180
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 ggggtggaaga agaagcagat cgccgagcag tcattgacgg cgatgttgcg ccgcttgcg 360
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 cccgccacga tatgtaccgt ctcgctgttg gagagcacgt cccatacccc gtccgtagcg 480
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<210> 8415
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-A2

<400> 8415

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aaagaggggg cccccccatt ttgggggtttt ggggaaaatt ttttgggttt ttaaaaaaaa 120
gtttgtttta tgggaaaaat tttttccttt ttaaaagggg gggccttttt aattttaaag 180
ggccccgggg ttccccccgg attttcgggc cgggcccttg gggggtcccc atttttcttt 240
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tttttcgctt aaaatttccc aaaaatataa gggcgggaga ataaaatgta aaacccgggg 360
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<210> 8416

<211> 554

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-A4

<400> 8416

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gtcgagtaca ttttatatgt aatctaaaag aggcacctcc aacgatgggt tgctgcaagg 120
cagggttcat caaagagaac tggttgatg gcagcaattg ttgttgctgc tgcaggaagg 180
tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tgttgtaggt 240
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tggttgctgg atgcagctac gttcgccaga acaagtgggt tggatgcaag cagctgctgt 540
tgcaagtagg tgac 554

<210> 8417

<211> 538

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-A5

<400> 8417

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acactgttgg gtttgtcaaa gcaagttggg tgaatggcag caattgttgc agttgtaaga 180
gggtgccagc gtttaggcata gcgtgcaggt agaacggcaa caactgttgt tgtgtcaaga 240
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<210> 8418

<211> 554

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-A9

<400> 8418

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ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattgtt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
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gcttctgttg caag 554

<210> 8419
<211> 551
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B1

<400> 8419

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acacatgtgc acaatggccc gaccaagagc acgctagcaa aagaacagaa aaatactact 180
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gtcaacaagc agtcaatct tctctccacg atctaggacc ttttcaatgt tttccatcat 480
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gtgatccaca c 551

<210> 8420
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B10

<400> 8420

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gtaaaagggg gccccctta ggcccccccg gccggtaaaa ccgcaccac cgggggtgtt 240
tcaaaaaggg ggcgggggcc cccccccca cctggctgaa agggagaaat tgttgccgct 300
gtaaataagc cggaagttc aatccccccc cttggttgaa tggaaaaaat tgctgggggg 360
gggcaacagg gaccggccg aaagggaatt gttgttggtg ccaataaaaa accaagttca 420

atgccccctg ttgggtgaat ggaaa

445

<210> 8421

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B12

<400> 8421

gaaacaatca aataacggct gatgaggctt acattgttta tactatgatc aaagaacatg 60
tacgaccatt gtacagatag gtccatcttc ctgttgtaaca acaactgatt ccaactcaca 120
gaggtacaat tagaacagct cgactgtgca ctatgttttt tctcccattht gctataattga 180
tcttcagaat aaagaatatg cgactcaaca agaacagcta ggctgttacc aaagacggaa 240
tctaatttaa gagatcatgt cgccacaaaa catctccatc acaggthttc aagggtattgc 300
cattcattac agatggaagt cattgggtta gaatttgag gtgatttggc gacctattgg 360
gtcagcatct catttcgggc tatccatcct catctggta gcacctat atttcttcaa 420
tgthctatta ttcttctgt cttgtgtct caggctthtt gcctctaaca acctgtctga 480
caggaaaatg caaccttga taaaggggc ttggtgccc cactgtccta tcaaagcccc 540
tcacgcaaac aaatcctctc caa 563

<210> 8422

<211> 554

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-B2

<400> 8422

anacgcacat gaaaaacaaa taatttgtct gcacaataag cttgtacaat gattagaaaa 60
ataaataatt acattgggga atatcatggt acaacacatt cthttggtgc ttggtacgcg 120
gggaaaaggg tgaaaatttt ggttacctg aagtccgata tgcaccaaga taaaaatata 180
tttcggcaaa actgaggata tatcattaat cgctgtcatc tactgtacac tatatatata 240
aagagataat ggacggccaa aaaccaacta ccagtgtaca caactcacta gcagggaagc 300
ataagtctga aagagcaacc caaacctat agacacaggt ggcctataa cccagcagga 360

aagttgctga tttgcccttg ttccagcctg tcctcaccat tcactttgta agacatccgg 420
 atacgcattg caagtgggtt ctggccatgc tgggtgttgg tgacactgag gctttgtgta 480
 actgacccat ttccactggc aggaagagtg ctgctgctcg ctgggtccaa acgcaactgg 540
 atgaactttg gcac 554

<210> 8423

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B3

<400> 8423

agaaatgtac tttcttattt ctgggaagcc acaaaccatca tccaaaaaac ttcattattg 60
 aagtataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
 gctgttgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
 gcaacagggc tcacatcagc tagctggctg aatgggtggtg gctgttgctg ttgtaaataa 300
 gcagcagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360
 gctagctgac tgaatggtg ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
 tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480
 tgttgtagtt gttgtgcctt gatgttttgt gccaacaaat gcaccaaagg taactgctgt 540
 aatagggctg acggttggtg gaggaacaag ggtgat 576

<210> 8424

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B4

<400> 8424

gtaaacaata tttgatactt cgaaagaagt atatataaca ggaatggata tcaaggtagt 60
 caatgcatcc aatattttcc aatcaattcc tataaactta atgcacattt cactagactt 120
 aaagtatata aaagtctttt taaaaataca aggaaggggt aaatgcaccg gggcttgctt 180

ttgttgcaga gaagagattc tagatcctta tacctaacct ttagttagat agctccatcc 240
 acttgatgag caggcactgg agtagacttc ttcaagtacc acctcatcta ggtgttcttc 300
 gaagctgtcg gtacgcgcgc gagattaacc ggggatgacg cagttcaaag ggtcgacgg 360
 gaagcgggtct gcgacaacgt tctgcgccag cgagaccctg ttctgagcag tagacaccgg 420
 tagagttaat gatccttctt cggtgagctt cacttgttga tggagagcac ataacacgtg 480
 ttatcttggg gtgtcacgcg actaagttga tctcagattt cacaaggacc ataattacca 540
 ccattttatt catttcaccg gttgatg 567

<210> 8425
 <211> 119
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-097-Q1-N6-B6
 <400> 8425

tttttttttt tatttttagtt tttttttttt tttttttttt tttttnttt tatagatctt 60
 taaatttttt ttactgagaa gttgcccata ttaggggtgag aaatttattn ttacaggnt 119

<210> 8426
 <211> 435
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-097-Q1-N6-B9
 <400> 8426

ggggggggga aaaaatatgt gtaaaaagaa tttttttttt tggggcttaa attaaaggta 60
 aaaaaaggaa aaaaaacacc tgggttgggg gggggggcga aaaggggggg aaaaaaaag 120
 gggggggggg gggaaagaaa aaaaaaatgg aaaagggggg gccaaagggg gggggggggg 180
 aaaaaacccg cccggggggc ggaaaaaaag gggggggaga aaggggccaa aagggggggg 240
 ccaaaaaaaa ggaagaaaaa aagggggcgc aaagtgtggg aaaaaaaagg ggggggaagg 300
 ggggggggtg ggtcggggcg cggggggggg gcgaaaggg gggggaaaaa agggggggcc 360
 gcaaccgggg gaaaaaaagg ggaaaaaaaa aagggggcgt ttggggcagc agatctcctt 420

tttagagggg ggggg

435

<210> 8427

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C1

<400> 8427

ggggtaaaat ttaattaatt ttttggtttt ttttagggaa ccccttcccg ttttgaggcc 60
ccctttttcg attcctttta ttttttattt taaaaaatgg cccccccacc attgggttgt 120
tgccacacca gggcaggggt attaaaaaaa acctggttgt ttggaaccat ttgttggtgt 180
tgtagaaagg caccacccat tggtttacc cccgttgggg atttaattaa ctgttgccct 240
tggtgtaggt cccacaaaaa tttcacccca tccagtttgt taattggaat tattttttgc 300
aagtaggcac aagggttggc cccacttggt taattaaaac ctgttccatt tggttgaacc 360
acctgtggtt gcaccacctg ttgttccagg tttttaggtc ctttgcctt agcaagcggc 420
ttaaataaaa aaatttggtt ttgttttagg taggcaatag 460

<210> 8428

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C10

<400> 8428

ctaaaaatgt actttcttat ttctgggaag ccacaaacat cagataaaaa actttattat 60
tgaactataa ctcataagaa atctaaaaga gggcaccacc aatgatgggt tgttggtaga 120
acactgctgg gtttgtcaaa gcaagtttgt tgaatggcag caattgttgc agttgtaaga 180
gggtgccagc gttaggcgca acgtgctggt agaacggcaa caactgtggt tgtgtcaaga 240
aggtagcagg gctcacacca gctagctggc tgaatggtag tagttgttgc tgctgtaaatt 300
aagcaggaga gttcaatgct gctagttggt tgaatggaag aaattgctgg gggtaggcag 360
caggtagctg gctgaatggt agttgttgtt gttgcaaata agaagcagag ttcaatgaac 420
ctagttggtt gaatggaaga aactgctggt gctgagagta ggcagcaagg tttgctagca 480

caagttgttg tagttgttgt gccctgatgt tttgtgcaa taaatgcacc aaaggtaact 540
gttgtaatat ggctgatgat tggtggagga acaaaggtga t 581

<210> 8429
<211> 256
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C12

<400> 8429

gtctcaaaca aaatcaagaa aaggaacgac tgagagctta tatgattggt aacatttacc 60
agcaacagcc tttgtctcga aaaaaaaca aggaacaacg gatagcttat atggtttagta 120
acaataccga gttacttgta gaggaatgca actctagggt atagttacaa tccccaaagg 180
cctgagtagg ttgacagctg agtatgtgtt aaatgggacc agaacttccg caaactcaag 240
caaaacaaga tatcag 256

<210> 8430
<211> 543
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C2

<400> 8430

aaatctcaat caatatattg attatttcta ggaaacacat gtcggtatga gggcaccatt 60
gtcgagtaca ttcatatgt aatctaaaag aggcacctcc aacgatgggt tgctgcaagg 120
cagggttcat caaagagaac tggttgatg gcagcaattg ttgttgctgc tgcaggaagg 180
tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tgttgtaggt 240
acgcagcaga gtttgacaca gccagttggt tgaatggaag caactgttgt aagtaggcag 300
cagggtttgc cacagctagc tgagtcagag ctggtacaat ttgttgctgc aactgttgtt 360
gtaggtacgt aggtgcattg cccaccgcga gcgggctaga tgaaagtagt ttaggttaga 420
cggcagggtt caccatggct agttgactga gcactggcat aaactgttgc agctgttgtt 480
gttgctggta tgcagctacg ttcgccagag caagtgggtt ggatgcaagc agctgctgtt 540
gca 543

<210> 8431
<211> 505
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C3

<400> 8431

ggaaatataa cttcttattt ctaggaggcc acatacatca gccaaaaaac ttcattattg 60
aattacaact aataagcaat ctaaaagagg caccgccaat gatgtgttgt tggtagaagg 120
ctgctgggtt tgtcaaagca agttggacaa agggcagcaa ctgttgcagt tgtaagaggg 180
ttgcgggggtt agccacaaaac tgctggtaga acggaagcac ttgttgttgt gtcaagaagg 240
aagcgggggtt tgtttagtct agctggccaa atggtagtag tatttgctgc tggaaataag 300
cagaggggtt cagtgcggcc aattggttaa atggaagaaa ttgttgctgc tgagagtagg 360
cagtagctag ctggctgaat ggtagtagtt gttgttgctg caaataagca gcagggttca 420
gtataaacag ttggttgaat ggaaaaaatt gttgttgctg aaagtagggg gaaaagggtt 480
gccagagcta cttgccacgc gtccg 505

<210> 8432
<211> 502
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C4

<400> 8432

agaatctgga aatgtaactt tttatttctg gttggccaca tacattatcc aaaaaattta 60
ttattgaatt acaactaata agcaatctaa aaaagggcac caccaatgat gtgttggttg 120
taggaggctg ctgggtttgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 180
aaaaggggtt cggggtttagc cccaaactgc tggtaaaaag gcaacaactg ttgctgtgtc 240
aaaaaagaaa cacggcttgc tgcaactagc tggctaaatg gtagtaatat ttgctgctgc 300
aaataaacag cgagggttcaa tgcggccaat tggttaaatg gaaaaaattg ttgttgatga 360
aagtaggcaa taactagctg gctgaatggg aatagttggt gctgcaaata aacagcaggg 420
ttcaatgtaa atagttgggtt gaatggaaaa aattgttggt gctgatagta gggagaaaaag 480

gtttgccaaa gctacttggt tg

502

<210> 8433

<211> 532

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-C5

<400> 8433

gattcattaa aacccaaaact ttattatgac catgcatata ttattggtca taccacacat 60
gataatgtgt gtcgtcttac tgcattatta catatataga tagagagaga tggatagagg 120
agatttccca aatatcatga atcagtagta gggcggaatg gcagcggaga cgccacaggg 180
gttggtgctg tagctgggca gctgggtactg gtagagtcca cccatggccg gcatgttctg 240
cgccatcatc atggccatgg ggttgagacc ctgggctgcc agcagctgct gctgctgctg 300
catcagagct ggctcgtaca ggctgctgct ggcggcagcg gcacgctcaa actgcatcat 360
catctgcagc tgctgcgcga cggactgcac gtccatcatc ctcatctgct gctggcagca 420
ctgttgccgg agcggctgga acatggcgct cggctgcca caccggcggt agtagggcgc 480
cgccgccagc gggctgnact gcggctgcct taagtactcc gcgtaggggt ac 532

<210> 8434

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C6

<400> 8434

ggcgctgac ctgatgcct cctccacgct ccgctgcgag agccgaacgg gggatgatgag 60
agcttgctgc cacttgccct ggcagaagt atcacagggc caggggtcct gtcccgaca 120
ccccaccag ttcaacttcc gggcccgccg ccgccgtaag ggccagggta atttggtggg 180
ggccaatccc accaagcaca actttccggc cggccccgtt ggcttcaacg cccgcgacat 240
gggcttggtt aaccggcgcc aatccaagct gacctgatg tcccagccca tggccgcgcc 300
gatgcgcttc acattgttc gccaaaggct tcgcgcgggg ggacacccgc accgcgcgct 360
tcgcgcccag agaccttgcc acaggcaagc ggtgctcttt cacattcaca accaccacac 420

gcggggcgcc gaaagacccg cgccgccagc agcgacacca cgccgatggg ggcggcgccc 480
accacgagca caccgtctc gggcccacc cccgcgcggc gggacgcgtg cacg 534

<210> 8435
<211> 258
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-097-Q1-N6-C7

<400> 8435

aggggggtgt tnattttttt tttttttttt ttgttgtgtt gtggtgtttt tttgtnattt 60
ttttgttggg gggaaggggg ggtnatgggg gagggggggg gggggggggg ggggggaagg 120
ggggggtgtg ggggaggggg ggagtnaggg gggagagggg gggggcgcca cgggtntggg 180
gggggggggg gggggggggt ttttttgaag caaggggggg agggggggaa nagggggggg 240
gtaggggggg gggggggg 258

<210> 8436
<211> 549
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C8

<400> 8436

agaatctggg aatgtaactt cttatttctg gttggccaca tacatcatcc aaaaaattta 60
ttattgaatt acaactaata agcaatctaa aagagggcac caccaatgat gtgttggttg 120
taggaggccg ctgggtctgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 180
aagagggttg cggggtttagc cgcaactgc tggtagaaag gcagcaactg ttgctgtgtc 240
aagaaggaag cacggtttgc tgcagctagc tggctaaatg gtagtagtat ttgctgctgc 300
aaataagcag cggggttcag tgcggccaat tggttaaatg gaaaaagttg ttgttgctga 360
gagtaggcag tagctagctg gctaaatggt aatagttggt gctgcaaata agcagcaggg 420
ttcagtgtag acagttgggt gaatggaaga aattgttggt gctgagagta aggagaaagg 480
tttgccaaag ctacttggtt gatcaagagt agcacgagtt gctgcaactg ttgtgccctg 540

atgggtttgt

549

<210> 8437

<211> 543

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C9

<400> 8437

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caatgatgtg ttgttggttag gaggctgctg ggtttgtaa agcaagttgg acaaagggca 120
acaattgttg tatttgtaaa agggttgctg ggtagccgc aaactgcttg taaaaaggca 180
gcaactgttg ctgtgtcaaa aaggaagcac gacttgctgc agctagctcg ctaaattggca 240
gtagtatttg ctgctgcaaa taagcagcgg gggtcagtgc ggccaattgg ttaaattggaa 300
aaagtgtgtg ttgctgaaag taggcagtac ctactgtggt aaatggtaat agttgttgct 360
gcaaataacc agcagggttc aatgtaaaca gttgggtgaa tggaaaaaat tgttggtgct 420
gaaagtaggg aaaaagggtt gccaaacctt cttgggtgat cacaggtagc acgagttgct 480
gcagctgttg tgccctgatg gtttgtaaca atgactgcac caaatatagg ctggtgattg 540
ttg 543

<210> 8438

<211> 491

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D1

<400> 8438

ggaaatgtaa ctttttattt ttggttgccc acatacatta tccaaaaaat ttatttttga 60
attacaacta ataagcaatt taaaaaaggg caccaccaat gatttggtgt tggtaggagg 120
cccctgggtt tttcaaaaca agttggacaa agggcaacaa ttgttgtagt tttaaaaagg 180
ttgctgggtt agccccaac tgctggtaaa aaggcaacaa ctgttgcttt gtcaaaaaag 240
aaacacggtt tgctgcaact agctggctaa atggtagtag tatttgctgc tgcaataaaa 300
cagcgggtt caatgcggcc aattggttaa atggaaaaaa ttgttggtgc ttaaagtagg 360

caataactag ctggctaaat gggaatagtt gttgctgcaa ataaacaaca gggttcaatg 420
 taaacagttg gtttaatgga aaaaattttt gttgcttaaa atagggaaaa agttttccaa 480
 aatacttggt t 491

<210> 8439
 <211> 557
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-097-Q1-N6-D10

<400> 8439

cgtataattat atttttaatg tagcacgct accacgacga cgactattag tagggagccg 60
 gtacacagag gggccagtag cacatgctag naggaggact gaaacagtaa aagtgcacaca 120
 aacacctgat ggcgcgcggc atagacacgt aaacaagcag gaagatcagc ccacgtgcgc 180
 acgtacatgc atgcacagca cacgtactag tactagcagc gcggcacgga gacgccgcag 240
 gaggcgacga cttgvcgcgc gttggggctg ttgatgtagc gcccgtaggt ggggttcttc 300
 acgaactggc agaagcacc ctgctgcgcc ttgaggttg agcagcacga cgcggagggc 360
 gtcgcgcgcg cagtgatcgc cggcgcgcac gccgccagct gcccggcgtt gcacgaagcc 420
 gccgacgccg tctcgccgc cgctgcgcc agcaccacca gcactaccag cgccactgcc 480
 gccatgccct gctgctgctg cttcgccatg tagtactgta gtgtattctc ttctctccca 540
 cactagcaga ccgatcg 557

<210> 8440
 <211> 491
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D11

<400> 8440

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 tttcagttca tggaacttgg gggcccccaa aattaatggc cctgcagttg cttttttggg 120
 ggtaaagggg ttgaaccaca aagagaaaaa caagcctttc agcgggggat gggcccccaa 180
 cttgggctgc ctaactggga aaagcataaa caatcgctta aatccaaaaa tggaacttgg 240

ttgtccagga ttcaacaagc aaaaagcccc cttatgaaac aaactccttg gggatttttt 300
 cggccttagc aatgacttcc tcaatgcccc caaccatgta aaatgactgc tcaggggggg 360
 tattatactt gccatccaaa acaccctgga aacttttaac acttttcttt aactccacat 420
 acttccttgg ggcacctggg aaaacttcag cgacatggaa aggggtggctc aagaaacctt 480
 gaattttttt t 491

<210> 8441
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D2

<400> 8441

ctagaatgta ctttcttatt tctgggaagc cacaaacatc agataaaaaa ctttattatt 60
 gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
 cactgctggg tttgtcaaag caagttgggtt gaatggcagc aattgttgca gttgtaagag 180
 ggtgccagcg ttaggcgcaa cgtgctggta gaacggcaac aactgtgggtt gtgtcaagaa 240
 ggtagcaggg ctcacaccag ctagctggct gaatggtagt agttgttgct gctgtaaata 300
 agcaggagag ttcaatgctg ctagttgggtt gaatggaaga aattgctggg ggtaggcagc 360
 aggtagctgg ctgaatggta gttgttggtt ttgcaaataa gaagcagagt tcaatgaacc 420
 tagttgggtt aatggaagaa actgc 445

<210> 8442
 <211> 543
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D4

<400> 8442

gcaatacagc tcacattttt ttccagatat catgaataat gtcacatatt tctgtaagta 60
 ggcggcgggt tcccaccaca cagacacaga cgatgcatgc aaatagagcc cccagactca 120
 tctcttctct ccgatcagca gctgggtgctg agcatggcct cgtggaaggc ggcgacgcgg 180
 tccgggggtga cgcactgcgt gatgagccgc gccctgggt tgtgggcca ggccttcacg 240

aggatgcacg tggcgatgta gtccaggttt gtcagcggca cgacgtgcgc gggcgggccc 300
catccgtagt ccacctccgc gaagccgagg cgcgtccagt cggacaccag cagcgtgcgg 360
tagtcggacg tgatctggta ggggtcgacg ccgccggcgc ccagctccc cgccgcccag 420
cgcgcgaaact ccgcgggcat ccggcgcttc ccgtccttga tcatcctcac cacctccgcg 480
accgaggcgc ccgccacctt ccccgcgggc gccgacacgc gcatgatgta gtagcagttg 540
ccg 543

<210> 8443

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-D5

<400> 8443

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gacgaggggc tccttgccgg acggcctcca gacgccggtg ccggccgccc tggccgcgcc 120
gccgcccttg cgccagcact gcgtcgccgg gcggtggaag aagaagcgct ccccgtcggc 180
gtcggctccg gatccccctg gtgcggcggc ggggaggagg tcccacgggt ggaggcgcg 240
gaggtcggcg tcggggatga cgccggcggg gagcgggcag gccagcgctt tgcggcgag 300
gtagtgcagc agcagctcct cgctcggtggg gcggaagcgg aagccgatgg gcaggcccgc 360
cacgggcgcg cccggccgcc ggccctccat cgccggccga cgggatcgaa gcaggattgg 420
gtttcgt 427

<210> 8444

<211> 292

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D7

<400> 8444

aagaatctag aaatgtactt tcttatttct gggaagccac aaacatcaga caaaaaactt 60
tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttgtt 120

ggtagaacgc tgctgggttt gtcaaagcaa gttgggtgaa tggcagcaat tgttgcagtt 180
gtaagagggt gccagcggtta gggcagcgt gctggtagaa cggcaacaac tgtgggtgta 240
tcaagaaggt agcagggctc acaccagcta gctggctgaa tggtagtagt tg 292

<210> 8445
<211> 530
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D8

<400> 8445

ccttccaaaa acttcttttt ggacctttac ctcatagcca ttttaaagg gggccccccc 60
atggtgggggt ggtgggtaaa cccctgtggg gttggcaaaa ccaggtgggt ggatgggcac 120
cattggtggc atttgaaagg ggggcccggc gttgggctta gcggccgggt gaaccggcac 180
cacctgttgt tggttaaaaa gaggcaccgg ggctcacata acttacctgg ttaaagggtta 240
gaagtgggtg ctgctgaaaa taaccaccaa attcaaatgc tgtagtggg tgaaaggga 300
aaaattgctg ggggtgggca caacctacct ggttaaagg aaatggtggt ggcaattaac 360
caccaaattt cattgcacc atttggttaa ttggaaaaac ctgtttttgt tgaaagtttc 420
cacaagggtt tgttaccca agttgttgaa tttgttgcc cctgtttttt tggcccccca 480
attggcccaa gggtaaccgg ccctgggggt cccccggaa tttccggccc 530

<210> 8446
<211> 583
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E1

<400> 8446

ggaaattaac ttcttatttc taggaggcca catacatcag ccaaaaaact tcattattga 60
attacaacta ataagcaatc taaaagagg caccgccaat gatgtgttgt tggtagaagg 120
ctgctgggtt tgtcaaagca agttggacaa agggcagcaa ctgttgcagt tgtaagagg 180
ttgcgggggt agccacaaac tgctggtaga acggaagcac ttgttgttgt gtcaagaagg 240
aagcggggct tgtagtagct agctggccaa atgtagtag tatttgctgc tggaataag 300

cagaggggtt cagtgcggcc aattgggttaa atggaagaaa ttgttgctgc tgagagtagg 360
cagtagctag ctggctgaat ggtagtagtt gttgttgctg caaataagca gcagggttca 420
gtatagacag ttggttgaat ggaagaaatt gttgttgctg agagtagggg gaaagggttg 480
ccagagctac ttggctgac actggttagca cgagttgctg caactgttct gccctgatgg 540
tttgtaccaa tgactgcacc aaagataggg ctggcgattg ttg 583

<210> 8447
<211> 587
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E11

<400> 8447

atataaataa atattccagg tagtataagg taatcagggtt gcaatgcaag tcaaaagaaa 60
tccgatacaa taaagtaact ctgatagttc gctattggaa aactgggact tcgtgataca 120
gagttaaaaa gctcatgggtt gctggaaaaa gccctctaata cagataaacc agccttgctc 180
ttcaagtgtg ccttgaaatc catgatataca ccttcccacc ttgtcaccgc ctgattctca 240
cacacccaaa tctcttgagc aacctgggttg atcagcctga aatcatgggt caccaagacc 300
aaaccaccat cccactcatt cagtgcctcc gccaggaggat caatgggtctc aatgtccaaa 360
tgatttgctg gctcatcgag cagtagcagt tgcggctgcc tatatgcaa ccatgcaaag 420
atgacacggc tcctttgccc atcagaaaga ttctcattg gcatcacctg cgcctttcct 480
gataggccaa acctgccaac agcagctcgc atcttctctt cttcgggtccc agggatttcc 540
ttcatcatgt aagccagagc cggcatgtcc agatccagct tgtccgc 587

<210> 8448
<211> 569
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E2

<400> 8448

actatctgga cgacatcctc gtcgttaagg ccatggccga ggccgcaatg ctgtggatag 60
tgccttgccg tggttcccca tacgagcaca tacttcacgt ccttgagcaa acttctatgg 120

atatgattgc agaagtctc caccgtgcag ccacctctgt cgggtggaaag aacaactggg 180
 tctgtgaaat caggctgctg gccctgtggc tttgtatata ccctcactag gcccatctcc 240
 tcccacattc togcaagtag tctgtccaag ttcagcttca aattgcagct gatcactagt 300
 gaatttggtt gccgagcaag attatcaacg tcatcgatac caacaacatc gatcttgta 360
 tatacgtaga cgcactttat gtacttccgg ttccttcga taacgtcaat gagatcatcc 420
 acagtagcat ctacacggaa taacacctca gcattgtgaa ttttgtactc gtgcagaatc 480
 tgatagcaca gcttctcatc aatatgagtc aaaggaacag tgggtattgaa agaaatccca 540
 cccgtcttct tctctttgaa gtatatctg 569

<210> 8449

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E3

<400> 8449

attaaaaaaaa aaaaagaggg gggcaaggg tttaaaaggg ttttttccaa aaagattctg 60
 ggaaaacggc aaaaggtttc ccggtgggca tggaattaaa ctttacattt ttacaaggtc 120
 aaacataaaa aaagaacagg gccacacact aaattttgat tttgaaaaga aaaagccatc 180
 ggaatcggga aaaaaccatt ttccattgaa aatttttggc cctggaaagg gaaaaggga 240
 atgtttttta acaacccct tttgtttga cttaaaaggg ggggagttaa aaaccggaa 300
 accaaagggg aaaccattta ttttgggaac gtccctgatg caaccattga aaaaaattcc 360
 agcccacca tttttttgaa taaaggggga aagggggcca ccaaaaaatg gaaaaaggat 420
 ggtcccaccg ggataaaaaa aaaaaaccct ggcggaact tttttt 466

<210> 8450

<211> 167

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E4

<400> 8450

agaaaagtac tttcttattt ctgggatatc ccaaacaatca tccaaaaaac ttcattattg 60

aagtataact cataagcaat ctaaaagggg gcaccaccaa tgatgggttg ttggtagaac 120
gctgttgggt ttgtcaaagc aagttggttg aatggcagca attgttg 167

<210> 8451
<211> 560
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E5

<400> 8451

agaaagtact ttcttatttc tgggaagcca caaacatcag ataaaaactt tattattgaa 60
ctataactca aagaaactaa aagaggcacc accaatgatg gggtgttggg agaacactgc 120
tgggtttgtc aaagcaagtt gggtgaatgg cagcaattgt tgcagttgta agagggtgcc 180
agcgtaggc gcaacgtgct ggtagaacgg caacaactgt gggtgtgtca agaaggtagc 240
agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta aataagcagg 300
agagttcaat gctgctagtt gggtgaatgg aagaaattgc tgggggtagg cagcaggtag 360
ctggctgaat ggtagttgtt gttgttgcaa ataagaagca gagttcaatg aacctagttg 420
gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta gcacaagttg 480
ttgtagttgt tgtgccctga tgttttgtgc caataaatgc accaaaggta actgttgtaa 540
tagggctgat gattgttgga 560

<210> 8452
<211> 563
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E6

<400> 8452

agaaatgtac tttcttattt ctgggacgcc acaaacatca tccaaaaaac ttcattattg 60
aactataact cataagcaat ctaaagaggg caccaccaat gatgggttgt ttggtagaaca 120
ctgttgagtt tgtcaaagca agttggttga atggcagcaa ttgttgcagt tgtaagaggg 180
tgccagcggt aggcatagcg tgcaggtaga acggcaacaa ctgttggtgt gtcaagaagg 240
cagcagggtc cacatcagct agctggctga atggtagtag ttgttgcctg tgtaaataag 300

cagcagagtt caatgctgct agttgggtga atggaagaaa ttgctggggg taggcagcaa 360
ctagctggct gaatggtaat tggtgttgca aataagcagc agagttcaat gcagccagtt 420
ggttgaatgg aagaaactga tggtgctgag agtatgcagc aaggtttgct agcacaagtt 480
gtttagattg ttgtgccctg atgttttgtg ccaccaaaggt gaccaaaggt aactgctgta 540
atagggtga cggttggtgg agg 563

<210> 8453
<211> 277
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-097-Q1-N6-E7

<400> 8453

aggtgtgggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 60
gggggggggg ggggggggtg gggggggggg gggggggggg gggggggggg ggggngggg 120
gggggggggg gggggggggg gggggggggg ngnagggggg gggngggggg gggggggggg 180
ggggggggtt ggggnggggg gggggcccg gggggggggg gggggggggt nggggggggg 240
gggggggggn gggggggggg gagggggggg gggggggg 277

<210> 8454
<211> 223
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E8

<400> 8454

gagataaatc tcaatcaata tattgattat ttctaggaaa cacatgccgg aatgagggca 60
ccattatcga gtacatctca tatgtaatct aaaaaaggca cctccaacga tgggttgctg 120
cctcgacaag acagggttta tcaaagagaa ctggttgat ggcagcaatt gttgctgctg 180
taggaaggca gcgaccaatg ggtagccac tgctagtga tta 223

<210> 8455
<211> 524
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E9

<400> 8455

aaaaatgtac tttcttattt ctgggaagcc acaaacaatca gacaaaaaac tttattattg 60
aactataact cataagaaat ctaaaagagg gccccaccaa tgatgggttg ttggtagaat 120
gctgttgggt ttgtcaaagc aagttaggtg aatggcagca attgttgagc ttgtaagagg 180
gtgccagcgt taggcgcagc gtgctggtag aacggcaaca attgtgggtg tgtcaaaaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcaggagagt tcaaagctgt cagttgggtg aatggaaaaa attgctgggg gtaggcagca 360
aatagctggc tgaatggtag ttgttgttgt tgcaataaaa aagcaaagtt caatgcaact 420
agttgggtga atggaaaaaa ctgttgttgc tgaaagtagg cagcaagggt tgctagcaca 480
agttgttgta gttgttgc cctgatgttt tgtgccaata aatg 524

<210> 8456

<211> 159

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F10

<400> 8456

ctaaaaagta ctttcttatt tctgggaagc cacaaacatc agacaaaaaa ctttattatt 60
gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
cgctgctggg tttgtcaaag caagttgggt gaatggcag 159

<210> 8457

<211> 191

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F11

<400> 8457

ccaaacatcc tttttcccta ttttttattc ctttccattt caatgggttca ttcagggtcat 60
tgctcacact gccccccatg gggatggggg aactccgtt cctcatcgcc gctaaacgag 120
ggaactagct ttagccctat aggtagctag tcagcggctc cattacattt ttactacagt 180

acatagtttc c

191

<210> 8458

<211> 589

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F2

<400> 8458

gaaaaatcca agataaatga accaagtttt gctgttcaag acataactcgg acagacacca 60
cccggtacaa tgtgacgcgc accgacttga cagaccaaca acgcacaaat atgtctacca 120
ggatcctacg actgacgcta catatatatt ggtagccttt ctttcgtctg tggcaaatga 180
acttggcaca accacaagaa acctcccata acaaacaaac caaaatcaac ctacattagg 240
agaccaccgc ctggtttatc atcccctggg cccattgtgc agtctcccga acttcatcat 300
ccaactgttg ggcttggcac tccctcaaga actcaacatg gaatagggtg gtcttgaaca 360
gatcctttga gctctggcca agcgtgtctg caagatcccc aaggacagca actgcagcct 420
ttgtcacact gtcacccctg ctctatctt tgaagacagc ttcagtgaac tgtagtagat 480
gtgttgcata tgggatcatc agctgagctt ttggggccctt gatgccctgg agtataccag 540
agtatgcctc aaaaagccac gtctgagctg gttgccataa tcaaccata 589

<210> 8459

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F4

<400> 8459

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acaaccaaag cagctcttcc catagttcaa ttacaccagt ctttaacaca aattacacaa 120
tatttatgcc tcccgataca aatacatgta atcaaatcgc agccaaaaga ccaatcatta 180
agttactctt aatatacata caagagcggg gctagccgac aaccgttccc aggggaagcga 240
cttactccta gtgagcgacc tcatcagttc tggcagataa aaacggacct attgagggcg 300
attggttact ctttaatggt caccgcaagg tgtcttagta aataactaag aaaaaaaaaa 360

tcgcctcagg taagagcagc tgtcgcagaa aaggccata cctccattag tttgagatat 420
 ccccgttatg gtactggggg tgcatataac ccattccttg gttgtatgct ccctggtggc 480
 ccatcccttg tgcagctgag ctacttgctc ccacatgacc aagggcaccc tttttaattg 540
 agccatcgct agattttgca 560

<210> 8460

<211> 536

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F5

<400> 8460

gcaaaaacag cactcaccat tcaaaactat ttgacatccc attgcagtgt tcggagcadc 60
 tcacggaggg cctcgctctt tcatatgtgt tttgtacaat tgcgctcatt cagaaggagc 120
 tcccgtttac aagagatttt ggctgctaata gtgggtaccag taaaaaaaaa agctacagta 180
 ccaagcaggt ggtatcacc gaagaggtgg tctatctgaa tgtggcctca tgagggctac 240
 acaaattctc tgggtatcac ttattcgtct gtttattatt tgcgtcagat tcagctttcc 300
 acacgatatc tttcagctcc gatgagaagt tcttgtaaaa gctgtggaac tccaatgtgt 360
 ctctccgggt tttacgaagc tcaacctatg gaagtgatgg ggcaacctca aaaacctcag 420
 ttgcaacaga taagtgcct tttcttccag atttgtcacc tttcaatttc atcttgtaat 480
 tttgtttccg cacgttgaaa ccgagtggcc cacatgcadc ctctatTTTT gtcatg 536

<210> 8461

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-F7

<400> 8461

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 caagtccaat agcaccctta caacacctgc aacacacaat tgagatgadc atactcaagt 120
 ctaaacacat tocaacaagc tctcaaagc tggcatttgc tgcactggcg atcctaggcc 180

aaaggtcagc acactccttg ccgataggtc cagtgattgc agaacctttc atctcaccct 240
 tgggattcac aatcactcca gcattatctt cgaagtacat gtagacaccg tccttgcgac 300
 gccacggctt gcgctggcgg acgatgacgg cgggcatcac tttcttcctg aggtcgggct 360
 ttcccttctt tacggtggcc atgaccatgt cgccgacaca ggcggacggg aggcgggtga 420
 ggcgccctt gatgcccttg acggagatga tgtagagggt cttggcgccc gtgttgctcg 480
 cgcagttcac cgtggccgcc accggtagac ccagtgcacat gcgngaactt gttcccagcc 540
 gaacctcccc tacctcgctt cgacatgacg gcggct 576

<210> 8462

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F8

<400> 8462

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 aaaagggggg ggggggggcc ccttttttta gggggccggg gggggccccc gggaaaatcg 120
 ggccggggccc ggggggggga aaaaatttcc cttaaagggg ggaaaaaaaa agggggggga 180
 aaaaagggaa aaggggggtcc ccggggaaaa aaggtgtccc ccaaaaattt ccaaaaaaaaa 240
 tagggggggg aaaaaaaaaag ggaaaacccg gggggcccta agggggggccc aaaccaatt 300
 ttatgggggg gagccaaagg gcccttttca aaaggaaaaa ccccccgcc ccgggttttt 360
 aaaaaatccc ccccccccg gggggggggg 389

<210> 8463

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G1

<400> 8463

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 gaatgacagt tcattcgtct aggaatccaa gtcaaaactt aagttgagtc gttgctctga 120
 actgtatagc tagcagatgc gaagtgttct ttcaccagag caagagcttt ccctctgtga 180

gatatgttgt tcttactga cttgggcac tcagcatatg tttgttcaaa accatctggc 240
tggaacacag gatccccccc aaaataatta gggcctctag caggcacgat ctttcccgca 300
gttttgccaa caaatgtgat tggttcctct ccaggtccaa gagcaagaga gaagatgcac 360
atagcaaacg ctgatttata ttcataagct tttaacagat tatttaaacc ttcatgccca 420
atcttctcaa gaaaccactt tatgtagggt cctggtaggc ctttgagcgc attaaaacat 480
aggcaggtgt cctccaccag tacaggccca ttcacctgag atgcagcgat tcgtgctttc 540
tctttggata tgtactctgg ctccccttgc agttc 575

<210> 8464
<211> 300
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-097-Q1-N6-G10

<400> 8464

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tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg ggttggttgt 120
agaatgctgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
agaggggtgcc agcgttaggc gcagcgtgct ggtagaacgg caacaactgt ggttggtgtca 240
agaaggtagc agngnctcac accagctagc tggcntgaat ggtagtagtt gttgctgctg 300

<210> 8465
<211> 515
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G12

<400> 8465

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cataaaaagg tttgctgcaa cttctagggc agcttataac agtacatact agcagcacia 120
atggtcaagg aacagcatgc cagacaacgc attttgcgcc cgaacgctcg acttcctgtc 180
aagcggtttt taccatacca aggttacacg atccatcgat gcaataccat tgtaggttct 240
tgttttgtag acgcaaacgc agccgatcta tatgacagac ccacggttga tgggtgcatt 300

cttcaagatc accacgattc cagaccttat gtagtaccct tttccgggt gatcagcctc 360
 ttggatgccc ttactgtttg tgatcaccac gttcttccca atcctagcat tcatgtcaat 420
 gatacagttc cttatctttg tgttccttcc tattccaact gggaccttcc cagctaacag 480
 tagctttgaa gcttcttctt cagtttcata ggtgt 515

<210> 8466
 <211> 552
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G2

<400> 8466

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 gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tatcaaaaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcaggagagt tcaatgctgc cagttgggtg aatggaaaaa attgctgggg gtaggcagca 360
 ggtagctggc tgaatggtag ttgttgtgtg tgcaaataaa aagcagagtt caatgcagct 420
 agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
 agttgttgta gttgttgc cctgatgttt tgtgccataa aatgcaccaa aggtaactga 540
 tgtaataggg ct 552

<210> 8467
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G4

<400> 8467

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 tttacaagag cagcagacag acagggtttc cagcattgaa cttcttatca acagcatcca 120
 tccatgagcc aatggaaaca acaagcttca gcagctcagt gatcgacaca cgctcgcttg 180

aacgacacct cggaccacct agtaattaag agactccctt cttcccttca cgacgtccac 240
gccagtcaca tcgcgcctt caaggccatc gtctcagga gcggttcctg cttcagtttc 300
ccttgctga atctctcag catctccagg gcagctttcg gc 342

<210> 8468

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G6

<400> 8468

ctggaaatgt aacttcttat ttctggttgg ccacatacat catccaaaaa ctttattttt 60
gaattacaac taataagcaa tctaaaagag ggcaccacca atgatgtgtt gttggttagga 120
ggccgctcgg tctgtcaaag caagttggac aaagggcaac aattgttgta gttgtaagag 180
ggttgcgggg ttagccgcaa actgctggta gaaaggcagc aactgttgct gtgtcaagaa 240
ggaagcacgg tttgctgcag ctagctggct aaatggtagt agtatttgct gctgcaaata 300
agcagcgggg ttcagtgcgg ccaattgggt aaatggaaaa agttgttggt gctgaaagta 360
ggcagtagct agctggctga atggtaatat ttgttgctgc aaataagcag cagggttcag 420
tgtaaacagt tgggtgaatg gaaaaaattg ttgttgctga gagtagggag aaaggtttgc 480
cagagctact tgggtgatca caggtagcac gagttgctgc agctgctgtg ccctgatggt 540
ttgtaccaat gactgcac 558

<210> 8469

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H10

<400> 8469

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atcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt tgctgccaca 120
acaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgc tgctgtagga 180
aggcaacgac caatgggtta gccaccgcta gtggattaag taactgttgt cgctgttgta 240

ggtacgcagc agagttcgac acagtcagtt ggttgaatgg aagcagctgt tgcaagtagg 300
 cagcagggtt tgccacagct agctgagtca gagctggtac aatctgttgc agcaactggt 360
 gttgcaggta tgtaggtgca ttaaccacag cgagagggct agatgaaatc agttgttgct 420
 gttgtaggta ggcggcaggg ttcacatgg ctagttgact gagcgctggt agaaactggt 480
 gcaattgttg ttgttgttgg tatgcaacta tgtttgccag agcaagtggg ttggatgcaa 540
 gcaactgctg ttgcaagtag ggcacagggg tcaccacagc ta 582

<210> 8470

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H11

<400> 8470

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 gctgcctcga caagacagga ttcacaaag agaactgggt gtatggcagc aattgttgct 180
 gctgtaggaa ggcggcgacc aatgggttag ccactaccaa tggattaagt aactgttgct 240
 gctgtttag gtacgcagca gagttcgaca gagtcagttg gttgaatgga agcagctggt 300
 gcaagtaggc aacagggttt gccacagcta gttgagtcag agctggtaca atctgttgca 360
 acaattgttg ttgcaggat gtaggtgcat tgccacagc gagcgggcta gatgaaagca 420
 gttgttgttg ttgtacgtag ggcggcaggg tcacatggc tagttgactg agcgttggca 480
 gaaactgttg tagctgttgt tgttgctggg ttgcaactac gttcgccaga gcaagtgggt 540
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<210> 8471

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H2

<400> 8471

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tttttgggag ttgttattac cacttggtgg tt

92

<210> 8472
<211> 208
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-097-Q1-N6-H4

<400> 8472

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attattttctc aatcattgcc gctaaatgac tcaactagct agctaggcag ggggttttcc 120
tccgcatcta atttttttca gggggggcac ccccnggctg cgcttttggg cctggagttc 180
gctgctggag gccctccttt ccgtcagt 208

<210> 8473
<211> 559
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H5

<400> 8473

gaatgaaata atgaactttt ttttctctct agatctcgac cctgtatata gaaggaattt 60
gtcatatgaa tatgatacag aagcgttgcc tatgttagca tactgatcct accagacata 120
tcaagcatgc aacgatcgcg gcagcaatca ggcaacaatg ctggagacct atcctcatct 180
agaaccagtg agcttttctc tggcatgcaa cgatcgagc agcaaaatgg aaatgccccat 240
gcatgtacat atatacggaa agatggagct ggctaaagca aggactgcaa cgtcaaaaca 300
cagcagacag cttcgatcta aaaaagaaaa tcctgcaaag ttcataacac tgagggttac 360
agcagccttt cttccacctg acatcatgag cctttaatca cctatcatga atgtgtctcg 420
atccagggtca caacatggta gattcgaca tcctccgctg acagcaatgc tttattgtga 480
ccacccccac caaaggttgc aaggaatcta atgcacaagc aactgatctt cagaacatgc 540
atctgcacct tgctgaatc 559

<210> 8474

<211> 564
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H7

<400> 8474

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aaatctcaat caatatattg attatttcta ggaaacacac gtcggtatga gggcaccatt   60
atcgagtaca tctcatatgt aatctaaaag atggcacctc caacgatggg ttgctgacctc  120
gacaagacag gattcatcaa agagaactgg ttgtatggca gcaattgttg ctgctgtagg   180
aaggcggcga ccaatggggt agccactacc aatggattaa gtaactgttg tcgctgttgt   240
aggtacgcag cagagttcga cagagtcagt tggttgaatg gaagcagctg ttgcaagtag   300
gcaacagggt ttgccacaat tagttgagtc agagctggta caatctgttg caacaattgt   360
tgttgcaggt atgtaggtgc attgccaca gcgagcgggc tagatgaaag cagttgttgt   420
tgttgtacgt aggcggcagg gttcaccatg gctagttgac tgagcgttgg cagaaaactgt   480
tgtagctgtt gttgttgctg gtttgcaact acgttcgcca gagcaagtgg gttggatgca   540
agcagctgct cttgcaagta ggcg                                         564
  
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<210> 8475
 <211> 562
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H8

<400> 8475

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aacatccaaa taaacatgta ctgcatggaa catgagtaca ggaagtcagg aatgcataag   60
gttggttgca taagaaaaac aattcctaaa tatattgttt cctctatgaa taacgactga  120
tgagttctgc cccatgaagt gctgtggcag cataatgtat gcccaaaact gtaaatagct  180
aactcgaatg atacaagcaa accacagagt tttcacaagg tagctaaaga taatttggtg  240
gtttcagact gatctcttca taagtggcag tgagtaatga gctcttgcat ctgataacctc  300
attcgtttca tgctcctgag ctctcagggt ccatattgct gcgcacacgc ctctttctgt  360
tctacgctgt gtttgtcaca gtatgctttg tgctgtgatg tagtaccaaa ccctttctgt  420
ttcatgtata aaccagaact tctagcgcaa gtaggatgga aagtaatgtt gcaatcccca  480
  
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ctactacacc ttaagcacat gccaacattg cagaggcaga gacaacaagt gtcttttccc 540
tctacaaggt tttccattcc tt 562

<210> 8476
<211> 215
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H9

<400> 8476

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ttggttttccc ccttaaat ttaaaaaag aggggcccc ccaattttt ttttttgga 120
gggggctttt ggttttttaa aaaaaagtgg gaaaaaggga aaaattttt tttttttaa 180
aagggggggg gggttacccc aaaactgttt ttaaa 215

<210> 8477
<211> 156
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A8

<400> 8477

gtttgggggg tttttttttt tttttttttt tttttttttt tgtttttgtt tttttgtcgg 60
gttctttttt ggggttttgg tgctttcggc cgggtgctct gtggggtggt gtttctctgg 120
tggtcttttt ctttgggggg cttctggtgg gggggg 156

<210> 8478
<211> 455
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A9

<400> 8478

gtgggggggg ggtggtgttt tttttttttt tttttttttt tttttttttt tttttttttt 60
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gggctacccc ccccggtgcc tgggctttgc gggggggggg gaagtttcag aacctttttg 180

gtgcttgctt gcctgccttt gccggggttg ggagaggggt ttttctctct ttggcggggc 240
 ccgccttgcc gggccggggc gggggcccg gtttccctcc cctggggcct tgccgacca. 300
 tggctctggtt ggggtttaaa ccggggatgg atatgggctt tttttctgcc cacagtggc 360
 ggggaagtgc tcgggtgggt ggtgggttcct ggtttgccc cccgaatggc ccgggggtggg 420
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<210> 8479

<211> 159

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-B1

<400> 8479

agaaatgtac tttcttattt atgggaagcc acaaactca gacaaaaact ttattattga 60
 actataactt ataagaaatt taaaataggc accaccaatg atgggttggt ggtagaacac 120
 tgtagggtt ggcaaagcaa gttggttgaa tggcagcaa 159

<210> 8480

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-C9

<400> 8480

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 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt tttttttttg tgtttttttt tttttttttt tttttttttt 180
 tttttttttt tttttttttt gggggggggg ggggtgtttt tttttttttg gggggggggg 240
 ggtggttggt aaaaaatttt tttttttttt taaaaaaaaa aaaaaataa aaaaaggggg 300
 gaaaaaaatt tttttttttt tgggggggtg tttttttttt taaaagataa ttgtaaaaaa 360
 aggaaaaaat ttttttataa aagaaagggg ggattgngat taaaaatttt ttttatt 417

<210> 8481

<211> 107

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-N6-D11
 <400> 8481

gntttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttggg gaaggaactt tttttctggg gggcccatat attagcc 107

<210> 8482
 <211> 484
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-N6-D4
 <400> 8482

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 aagggaaaat cagttcatga tggccacaaa catgcaagag ctggaagtng attccgagta 120
 gaggtccaac gtccaaggct ctgctatct cgagtcacac acggtgcctt ctggaagcgc 180
 ggtcaggtgc acaagagggg catgtgattt caggggaagca ttggcaccag tgatcttggt 240
 ctcttttggt ctgttgagca ccttcctcac ctggtttgca agctctatga tcgaatcatc 300
 ttcgtggcta atgctggcta atgccttctc cattgaaaca ggtaatccct attatagcca 360
 gtagggccat tggctgtagc aatttgctt gccatctct gcaaaggagc agggccaaga 420
 tagtacttgt tgccaattgg atctggagtg gaaacgaaca ctaagacgcc tgtcacagct 480
 gggt 484

<210> 8483
 <211> 498
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-D5
 <400> 8483

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taaactagcg agctaggtag ctagtcagcg gctccattac attattacta cagtacatag 180
 tttcctcagt agtagacacc gccggcagct gcgttgcaag ggcagggacc tggtgctgc 240
 agctgcaggc cgcacatcgc cgtcagctgc tgcgctacct gggccgccat cagcgccgcg 300
 agctcgccct gcggctgctg ctgcaggaag gactgcagga ccacaccgta tgtcgccctgg 360
 taccggtgca gcggctccac ctgcctgata tgggtggcagc actgctgctg cagcgccctgg 420
 cactgtggcg agcgcgtaggg cgtcgccgcc gggctgcact ggtgcctcag gaactcgacg 480
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<210> 8484

<211> 515

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-E10

<400> 8484

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 atctaaagca aaagggtgga ttttgataca cggngnaaga tatacaggac ggctgttttag 120
 aggagaggtc gtttcgattc gccggcacgc tcgctctctt ccgttcccca tgatggatgg 180
 atgtcatga agaccagcag ctgaggcgca acgcctcctc gaacttgctt tccagctcct 240
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 tcgcctcccc ctccggccgc cactgcaaca aagcgggtga gagcacgctg ctcacgctca 360
 tctcctcca gaagccgccg ggggcagccg cctccctgcg cggcggcggc ggcggcgtcc 420
 ccacctccgt cggcctgtgg agctggtggg agctcaggaa cagcatcgac gcgctcgggg 480
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<210> 8485

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-F3

<400> 8485

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tagaacgctg ctgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt 180
aagaggggtgc cagcgtagg cgcagcgtgc tggtagaacg gcaacaactg tggttgtatc 240
aagaaggtag cagggctcac accagctagc tggctgaatg gtagtagttg ttgctgctgt 300
aaataagcag gagagtcaa tgctgccagt tggttgaatg gaagaaattg ctgggggtag 360
gcagcaggta gctggctgaa tggtagttgt tgttgttgca aataagaaac agagtccaat 420
gcagctagtt ggttgaatgg aagaaactgc tgttgcctgag agtaggcagt aagggtttgc 480
tagcacaagt tgttgaatt gttgtgccct gatgttttgt gccataaaaa gcaccaaag 540
taactgttgt aa 552

<210> 8486

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-F8

<400> 8486

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ttcacgatta tattgtccca aactcgaatc tgcttttttc aaccatcagt catcagccca 120
accgaggggg gggcttacac caaacgagac atattocaca catgcaatga tacggtgcat 180
gtcctagctt gttcatccat tcacacacat tgcttaccaa ctactgggta tttcgggatt 240
ttcaaaccat gcatg 255

<210> 8487

<211> 543

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G6

<400> 8487

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aactataact cataagaaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120

gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtggttg tatcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcaggagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360
 ggtagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagagtt caatgcagct 420
 agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaaagtt tgctagcaca 480
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<210> 8488
 <211> 265
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-H3
 <400> 8488

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 aagtataact cataagcaat ctaaaatggg caccaccaat gatgggttga aggtagaacg 120
 ctgttgggtt tgtgaaagcg agttggttga atggcagcat ttgttgcagt tgtaagaggg 180
 tgccagcgtt aggcgcaacg tgcaggtaga acggaaacaa ctggtgatgt gtcaagaagg 240
 cagcaggctc acatgagcta gctgc 265

<210> 8489
 <211> 212
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-H4
 <400> 8489

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 aatctccctt ttataaaaa ctctaaaaa acccctatta taatcggggg ggccccaacc 120
 cctcacaaa aagcgtggga gggaccgcag acccaagaaa aaaacaaagg ggggcccccc 180
 ccgggggggg ggggggggga aacgcggggg gg 212

<210> 8490
<211> 268
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-B2

<400> 8490

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taaccaaatt caaaagggaa aaggaaaact ggcaacattc ttgggaaaca aaaacttgga 120
aaattcgagg gcaagctaaa gatcgagaaa gaagggggcc cagcgaaaag gaaaatatag 180
gggcaaaaat aagaaaaata aaaaccggga aagcctatctt atacattttt aagaaaaaag 240
ataggctgtt taaaaaaaaa agaccagg 268
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<210> 8491
<211> 323
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-B3

<400> 8491

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cgggggttca acacattcgt tttgaaacac atgtgcgtgg ggggtgttaa gcacagttta 180
cagattgaca aggactatta cttttggtgg cttgttagc cttggtgggt gtgggttgag 240
tttgtccctt gagcctttca gtgcttctta tggggttggt accaatcttt tggctttggg 300
gagggtttttg ggggacagtt gag 323
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<210> 8492
<211> 420
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-C4

<400> 8492

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt nttttttttt tttttggggg gggggggggg ggtttttttt tttttttnt 180
 tttttntnt aaaaaaaaaag aaattttttt ttttggggg gccccccaca tattataaaa 240
 aatatgtttt tttgggtttt ttatttaaag gaagtaaaaa ggggggcccc ccaaaaaggg 300
 gggggtggaa aaaaaattcg gtgggttaga aaaaagggg gggtggggg gaaatttggg 360
 gtgggggaag aagaggggcc cttttttgtt ttatttttat tttgaataaa aaaatttttc 420

<210> 8493

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C5

<400> 8493

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 tgtcggtatg agggcaccat tgtcgagtag atctcatatg taatctaaaa gatggcacct 120
 ccaacgatgg gttgctgcaa ggcagggtag atcaaagaga actggttgta tggcagcaat 180
 tgttggtgct gctgcaggaa ggtagcgacc aatgggtag cactgccaa tggattaagt 240
 aactgttgct gctgttgtag gtacgcagca gagtttgaca cagccagttg gttgaatgga 300
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 gatgaaagta gttgtaggta gacggcaggg ttcaccatgg ctagttgact gagcactggc 480
 ataaactgtt gcagctgttg ttgttgctgg tatgcagcta cgttcgccag aacaaggggt 540
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<210> 8494

<211> 479

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C9

<400> 8494

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 tctttttctc ctatgccttc taaattatgg gggggggggg ggggggttgt tggggggaca 180
 cgggtgggggt tgtcaaagct gggaggggtga aaggaggagaa tgggtgcagt tggaagaggg 240
 ggccgggggt aggcaaagcg ggcattgggga acaggaacaa cgggtaaagg ggcaagaggg 300
 cgccaagggt aacatgggtt agctggccaa atggggggag tggttgatgg tgttaataag 360
 cggcaaagct caaagctgct agtgggggtga acgggacaaa tggctgaagg taggcgggga 420
 ctggccggcc gaatgggtat agggggggcg ggtgagccga ataatccaaa gcagccaat 479

<210> 8495
 <211> 122
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-D10
 <400> 8495

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 ttggtttttt ttcattacat gctcatcgca cttccagtt gcaccaagac caacacacac 120
 ac 122

<210> 8496
 <211> 237
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-102-Q1-N6-D2
 <400> 8496

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 actaataagc aatctaaaag atggcaccgc caatgatgtg ttgttggtag aaggctgctg 120
 ggtttgtcaa agcaagttgg acaaagggca ggaactgttg cagttgtaag agggttgcgg 180
 ggtatagcca caaactgcgg gtctaacgga aacaattgta gtcgtttcaa aaaggaa 237

<210> 8497
 <211> 410
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-D5

<400> 8497

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ggctttaacc ttgtgaagca ttacagggggg gggggggcgg actttttaa atgggncgggtt 180
tcttttggttt ttttttggtt cagttcaaat tggttaacttg cccgtttttt ggcacacgag 240
gtttgtcccc ttctttgggtc ccgaagatgtt tctgcctgtc cttggcttag ggggctatcc 300
ttcctcctgg gttttttgaa caacatttta atttgaacca aacgggaact cattttgtgc 360
tcgggacgct tgcgggttta gctacttcgc tgggtgggttt tgcggggcgc 410

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<210> 8498

<211> 144

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E1

<400> 8498

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ggtggtggtt tttattttct tttatttttt attctttttt tttttgggaa attatttttg 60
tcttagaaaa aaggtaagca ttgctctacc taaaaccaa ctctttttta caagaataac 120
aagaaacacg tttccggggg gggg 144

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<210> 8499

<211> 498

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E10

<400> 8499

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agaaatgtac tttcttattt ctgggaagcc acaaacatca gacaaaaaac tttattattg 60
aactataact cataagaaat ctaaaagagg caccaccaat gatgggttgt tggtagaacg 120
ctgctgggtt tgtcaaagca agttggttga atggcagcaa ttgttgcagt tgtaagaggg 180
tgccagcggt aggcgcagcg tgctggtaga acggcaacaa ctgtggttgt atcaagaagg 240

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<210> 8501
<211> 113
<212> DNA
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<400> 8501

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 ttattcacct cttttggcac ggcaccgggg gggggggggg gaaacagggg gccttttaca 180
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 <223> Clone ID: LIB3061-102-Q1-N6-H12
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<210> 8504
 <211> 84
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<210> 8505
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 gggctcctcc aatgtatggg ggggggggtgg aacgctgctg gggttgtcaa atcaaggcgg 180
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<210> 8506

<211> 497

<212> DNA

<213> Zea mays

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<400> 8506

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 ggttgttggg agaacactgc tgggggtggg agggcaagtt ggttgaatgg cagcaattgt 180
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 ggttgtgtca agaaggtagc agggctcaca ccagcttgct ggctgaatgg tggtagttgc 300
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 tgggggtagg cagcaagtag ctggctgaat ggtagttggg gttgttgcac ataagaagca 420
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<211> 658

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-A11

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 agcaacacca acaacaacaa gttcacatgc aaccacaaaa acatcagcaa caacaagaag 180
 ttcatgttca acaacaacaa caacaaccgc agcaccaaca acaacaacaa caacaacagc 240
 accaacaaca acatcaatgt gaaggccaac aacaacatca ccaacaatca caaggccatg 300

tgcaacaaca cgaacagagc catgagcaac accaaggaca gagccatgag caacaacatc 360
aacaacaatt ccaggggtcat gacaagcagc aacaaccaca acagcctcag caatatcagc 420
agggccagga aaaatcacia cagcaacaat gtcattgccca ggagcagcaa cagactacaa 480
ggtgcagcta taactactat agcagtagct caaatctaaa aaattgtcat gaattcctaa 540
ggcagcagtg cagccctttg gtaatgcctt ttctccaatc acgtttgata caaccaagta 600
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<210> 8508

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-A12

<400> 8508

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acgaggccgg cgacaaggac aaggaccggc ccgccagcct gtacatgcac taccgcgggt 540
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acgcctacc 609

<210> 8509

<211> 666

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-A7

<400> 8509

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 tatagctgcc cttcttcccc cataccttcc atcaatgacc gcttttagtat gtgaaaaccc 180
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 tcagcagcaa caatttcttc catttaacca attggccgca ctgaacctct ctgcttattt 540
 ccagcagcaa atactactac catttggcca gctagctaca acaagccccg cttccttctt 600
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<210> 8510
 <211> 657
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-A8
 <400> 8510

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 tcattattcc acaatgctca cttgctccaa gttccattat tacacagttc ctcccaccag 180
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 cggcgagcgt cttacaacaa ccaatttccc agttgcaaca acaatccttg gcacatctaa 300
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taccagctct gactcagcta gttgtggcaa accctgctgc ctacttgcaa cagctgc 657

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<211> 659

<212> DNA

<213> Zea mays

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<223> Clone ID: LIB3061-103-Q1-K6-B2

<400> 8511

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ttttccctca atgctcacia gctcctatag ctcccttctt tcccacatac cttccatcaa 180
tgatagcttc agtatgtgaa aaccagctc ttcaacccta taggctccaa caagcaatcg 240
cagcaagcaa cataccttta tcacccttgt ttcaacaatc gccagcccta tctttggtgc 300
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accaactatc tacactgaac cctgctgctt atttgcagca acaactatta ccattcagcc 480
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tgaacctcgc tgcttatttg cagcagcaaa tattactacc atttagccag ctagctgcag 600
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<210> 8512

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-B5

<400> 8512

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cctatagctt cctttcttcc cccatacctt ccatcaatga tagcttcagt atgtgaaaac 180
ccagctcttc aacctatag gctccaacaa gcaatcgag caagcaacat acctttatca 240

cccttgtttc aacaatcgcc agccctatct ttggtgcagt cattggtaca aaccatcaag 300
gcacagcagc tgcagcaact cgtgctacct gtgatcaacc aagtagctct ggcaaacctt 360
tctccctact atcagcaaca acaatttctt ccattcaacc aactatctac actgaaccct 420
gctgcttatt tgcagcaaca actattacca ttcagccagc tagctactgc ctactctcat 480
caacaacaac ttcttccatt taaccaattg gccgcactga acctcgctgc ttatttgcag 540
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<210> 8513

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-B8

<400> 8513

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ataaaaaaga atcaaaaata aaaaacacaa aattaaanaa aaaatagggg cggccttttt 120
aaaggaacaa agattccatg ggcgggcttg caacaa 156

<210> 8514

<211> 665

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C11

<400> 8514

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ctgctgctta ttgcaacaa caattaccat tcagccagct agttgctgcc tacccccagc 480

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aactactacc attcagccag ctagctgatg tgagccctgc tgcccttcttg acacaacatc 600
agttgtttgcc gttctacctg cacgctatgc ctaacgctgg caccctctta caactgcaac 660
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<210> 8515

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C4

<400> 8515

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gccgccgcaa ggaggaggag gaggacaggg gggctactac taccctgca gccgggcagg 480
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<210> 8516

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C7

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 ctggattctc gggggcggaa cgatgcctc caagtaactg cgaagagcat agtgcattgag 540
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<210> 8517

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C9

<400> 8517

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 tccacaacgc cttcagcacc tacggcgagg tcctcgagtc caagatcacc ctcgatcggg 180
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<210> 8518

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-D10

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gcaatcattg gcacaaacca tcaatacaca gcagctatga tagctcgagc tagctaaaac 180

caaccaattc aaccctatca agcttcaaca agcaatctca gcaagaacca taccttccat 240

acaaccaact gaacacactg cagcctgatg tttattgcaa gcatcaactc ttaccattaa 300

ggcacataac ttctagctac tctcactaac aacaaccaac cacatttaac caatagaccg 360

tactgaatac tatcagctta tatacgcagc atcaacatac tactaccatt taaccatgta 420

gcttgatgat aacgtgcac ctcactaca cacattcagt cacttactta ctacctactg 480

ttatcaacta acacttcac catcttaca ctacaacaa 519

<210> 8519

<211> 622

<212> DNA

<213> Zea mays

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cattggagca agcggagagt tcagtgactt ccaggagatt ttgcgctatt tggatgaact 420

aactctgtct gatcatatgt gggatgatgg aaactcgctg ggccccaag agatccacag 480

ctatttgaca agagtgatgt acaaccggcg caacaagttt gatcctctct ggaactcact 540

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catgattggg acccattcg ag 622

<210> 8520

<211> 318
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-D7

 <400> 8520

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 attaaatttg ttattcgg 318

<210> 8521
 <211> 120
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-D8

 <400> 8521

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<210> 8522
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 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-E10

 <400> 8522

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gtccatttgg tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
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<210> 8523

<211> 664

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-E11

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<210> 8524

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-E7

<400> 8524

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<210> 8525

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 8525

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gtttgcgggg ctgggggagg cgcagatagc gcagcaactg acggcgatgt ggggctgca 240
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gctgtagtat agccgctggc tagctagcta gttgagtcac ttagcggcga tgattgagta 360
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aattg 425

<210> 8526
<211> 507
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-F1

<400> 8526

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gcattgaact ctctgctta ttacagcag caacaaccta ctaccattca gccagctagc 240
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ctttgacaaa ccagcagcgc ttctaccaac aacctatcat tggtggtgcc ctcttttaga 420
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<210> 8527
<211> 647
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-F10

<400> 8527

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ttctccaac aaccgtcagc cctattacag cagttacctt tgggtccattt ggtggcacia 180
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cagctagctg atgtgagccc tgctgccttc ttgacacaac aacagttggt gccgttctac 480
ctgcacgcta tgcttaacgc tggcaccttc ttacaactgc aacaattgct gccattcaac 540

caacttgctt tgacaaaccc aacagtgttc taccaacaac ccatcattgg tgggtgcctc 600
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-F4

<400> 8528

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 aatgctcaca agctcctata gcttcccttc ttccccata cctctcacca gcgatgtctt 180
 cagtatgtga aaatccaatt cttctaccct acaggatcca acaggcaatc gcagcaggca 240
 tcttaccttt atcacccttg ttcctccaac aatcatcagc cctattacag cagttacctt 300
 tgggtgcattt attggcacia aacatcaggg cacaacaact acaacaactc gtgctagcaa 360
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 tcagggcaca acaactacaa caactcgtgc tagcaaacct tgctgcctac tctcagcaac 480
 aacagtttct gccattcaac caactagctg cattgaactc tgctgcttat ttgcagcaac 540
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<210> 8529
 <211> 671
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-F5

<400> 8529

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 caatgctcac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
 tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240

atcttaccat tatcaccctt gttcctccaa caacogtcag ccctattaca gcagttacct 300
 ttggtccatt tgggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
 aaccttgctg catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420
 aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgcctacccc 480
 cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta ttacagcag 540
 caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgacacaa 600
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<210> 8530
 <211> 521
 <212> DNA
 <213> Zea mays
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 <400> 8530

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 cgttgctggt ggcgaggagcag ttcgagaaga cggcaaggcg aggcgcccc ggcggggaca 180
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 tgcagctgga gcccaagacc gggctcgcgc tggccgcgc cgacggcctc ttctccgcct 360
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 tgcaccccgct actatgtttg tgcgacctgt acatttcgtt cgtcgttgcg cggttgcgcc 480
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<210> 8531
 <211> 450
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-F8
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 tgtccaactt gctttgacaa acccagcagc ctcctacca caacacatca ttggtggtgc 360
 cctcttttag attgattatt agttgtaatt caataataaa gttttttgga tgatgtatgt 420
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<210> 8532
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 <223> Clone ID: LIB3061-103-Q1-K6-G2
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 ggctcatttt tgctggcaag cagctcgagg acgggcgcac gctggccgac tacaacattc 480
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<210> 8533
 <211> 533
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-G6

<400> 8533

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ggcgtcggctg ccgtcacggc aggtttttgc gcggcgtgcc ccgagatcag caccctgacg 180
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cggttggcca tgcaggctcc caagttgacg agaaggtttc ctggcgcggt gatgcacca 480
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<210> 8534

<211> 649

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-G9

<400> 8534

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<210> 8535
 <211> 646
 <212> DNA
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<223> Clone ID: LIB3061-103-Q1-K6-H10

<400> 8535

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tgaaaagttc attcaggcac acagagaaac aaatgctgat attaccgttg ctgccctacc 600
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<210> 8536
 <211> 503
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-H4

<400> 8536

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gggcgccaag gacgcggtga tgagcacgct ggggatgggc ggggacgaca agcagggcga 180
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aagttcgaatt cgcaggtacg ttgctgtgtt ttttttctgc gccatcaggt gtctgtaaac 420
gagtcgggcg ggtttgagtg tcctttgttg tgataataaa gttggtaaata cgtaattaat 480
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<210> 8537

<211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A1

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<210> 8538

<211> 520

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A10

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tcacctcata agtagacacc gccggcagac gcgctgcagg ggcagggacc gggctgctgc 240
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<210> 8539

<211> 530

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A11

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<210> 8540

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A12

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<210> 8541

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A3

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<210> 8542

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A4

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<210> 8543

<211> 557

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A5

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<210> 8544

<211> 550

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A6

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<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A7

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<210> 8546

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A8

<400> 8546

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gggaaaaaaa gcgggggggg gggggccctt tttgggggga gcttaggtgg gaataaaaaa 240
agggggcccc caaaaagggg gggggggctc ccgaagagg ggggttttaa aaaaaaagg 300
ggggtgggga aaaaaatttt ttgttttggg gagggggcgc caaaaagggg gacccccggg 360
ggggggaaaa aaaaaattgg ggccgttgtt gggggcccca aaaaaattca caaaaaaaa 420
gggggaaaaa aaaaaactt tttgaaaaaa ggaaaaaggg ttctccaaaa ctgtttgggg 480

<210> 8547

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A9

<400> 8547

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gggaaaaacc caaaaatgtt ttgggggggg ggggtttttt ttgggggggg gggggggaaa 180
aacccccaaa ttgggggggg gggttggggc ttttaaaaaa accccccccc ctttgggggg 240
ggggggggga aaaaaaaaaa aaaaaagggg gggggggggg ggccccggg gggatttttg 300
gggggttaaa aagggggggg ggaaaagagg ttttaaagg gggggcccg gcccttaaaa 360
aaaaaaaaa atttttttta aaaggggcc 389

<210> 8548

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B1

<400> 8548

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 gttggttgaa tggaagaaac tgctgttgc gagagtaggc agcaaggttt gctagcacia 480
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 gtaatagggc ta 552

<210> 8549
 <211> 351
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-N6-B10
 <400> 8549

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 gatttggttt ttttaaggcca aaaattcccc aaatttgttg gtttttttgg gccgcaaaca 240
 accccgaaac ctggcctttt ttgggttttt tttaaaggat ggattggaga accaacccaa 300
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<210> 8550
 <211> 578
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-N6-B11
 <400> 8550

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tgccagcggtt aggcgcagcg tgctggtaga acggcaacaa ctgtgggttgt gtcaagaagg 240
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gttggttgaa tggaagaaac tgctgttgct gagagtaggc agcaagggtt gctagcacia 480
gttggtttag ttgttgctgc ctgatgtttt gtgccaataa atgcacaaaa ggtaactgct 540
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<210> 8551

<211> 498

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B12

<400> 8551

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aagaggaaaag ggaccataga gcggggggcaa agccataaaga ggggggttgc cggagaaaaa 180
cctgagggggg ggggggatga caaaggaccc cgggggggtg ggggggcca gaaaaaaaaa 240
cggaataaag acccccgccc gaccaacggg gaccgcgcac gcccccccca gaacaacaac 300
tggaataccc cgggacccca ggggaccaa acatgaaaaa gagcagaccg ggagaccacc 360
ccccgaaaa agccccaaa aggggcaacc cacggggacc ccccccccg aaagacaacg 420
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ggttcccccc cccccaa 498

<210> 8552

<211> 554

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B2

<400> 8552

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caatgatgtg ttgttggttag gaggtgctg ggtttgtaa agcaagttgg acaaagggca 180
acaattgttg tagttgtaag agggttgcgg ggtagccgc aaactgctgg tagaaaggca 240
gcaactgttg ctgtgtcaag aaggaagcac ggcttgctgc agctagctgg ctaaattgta 300
gtaatatattg ctgctgcaaa taagcagcga gggtcagtgc ggccaattgg ttaaattgga 360
gaagttgttg ttgatgagag taggcagtag ctagctggct gaattggaat agttgttgct 420
gcaaataagc agcagggttc agtgtagata gttgggtgaa tggaagaaat tgttggtgct 480
gatagtaggg agaaagggtt gccagagcta cttgggtgat cacaggtagc acgagttgct 540
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<210> 8553

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-B3

<400> 8553

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gagagggcac cagacgacgc aggcacatcg gcagcttaaa cgacccatga cttactgacc 180
accacggaga cggagcaciaa ggtggagggt gctctccttt tggatgttgt agtctgctag 240
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gccctccttg tcctggatct tcgccttcac attgtcgatg gtgtccgagc tctcaacctc 360
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gagaacaagg tgaaagggtg nctctccttc tgggaatgtt gtagtccgag aagaggtgag 480
gccattcctc cagcctgctt ggccccgcaa agatcaagac gctttgctgg tctggggggg 540
aatgccccctc cttgt 555

<210> 8554
 <211> 541
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-N6-B5

<400> 8554

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aactttatta ttgaattaca actaataagc aatctaaaag agggcaccac caatgatgtg 180
ttgttggttag gaggctgctg ggtttgtcaa agcaagttgg acaaagggca acaattgttg 240
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cagcaggggt cagtgtagat agttggttga atggaagaaa ttgttggtgc tgatagtagg 540
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<210> 8555
 <211> 560
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B7

<400> 8555

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ggagtctgga gtctggacta gcaagcaacc gagatcgatg catgatacag agatagattc 180
atcggtttgc atgagcatgg cttgttgcca gccactatgt tacacccacc acgcatgtac 240
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ggacagtaga cccttcacac accttgaaag tggcaccgca gatctcttct tcgtcggcgg 360
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gcccttgggg tcagatgcga 560

<210> 8556
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B8

<400> 8556

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gccggggcaa aaacaggggc cggaggcgta acgggggaaa aagggggggc cctaaaaagg 180
gccccaaaaa aaacaaacgg ggaggaaaaa agggaaagcc tggggggcca aaaaggggac 240
ccaccccaaca ataaagggat tgggccaacc gccgggtaaa gagggggaaa acctgggggg 300
ccaggggggt taatgaatcc cccaaccccc ggggaaaggc gttttgccct ttggcccccg 360
ggggggggtt tattttcacc agggggacgg gcaagatttg ccgccccta aaaaaatggc 420
cctgaggggg tggaacggg gggtcacccc gggggggggc caagggggga aa 472

<210> 8557
<211> 524
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C1

<400> 8557

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ctatttggtt gaatggaaaa aactgctggt gctgagagaa ggcaccaagg tttgctagca 480
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<210> 8558

<211> 560

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-C10

<400> 8558

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taaactagcg agctaggtag ctagtacgag gctccattac attattacta cagtacatag 180
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<210> 8559

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C11

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gttgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg taagagggtg 180
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<210> 8560

<211> 569

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C12

<400> 8560

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cgaggccgcc ggaggtgacg aaccggccg ccatgagcgc cagcgcgatg gcggccggca 540
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<210> 8561

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C4

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accgggaacc gggccgccg 559

<210> 8562
<211> 558
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-103-Q1-N6-C5
<400> 8562

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gcaggtcggt gatgatgt 558

<210> 8563
<211> 512
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C7

<400> 8563

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<210> 8564

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C9

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<210> 8565

<211> 549

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D1

<400> 8565

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<210> 8566

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D10

<400> 8566

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aaggaggctg ctgggggtgg caaccccgat ggtcaaaggg cggcaggagg ccgatcggtc 180
atgaggaagc aagggggacc acaggactga ttggttaaag gcagcaaattg gtggtggggc 240
aagaagaaaa acggttgtgc taaaggcagc aacggttaat ggtggcaata atgagatgct 300
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<210> 8567

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D11

<400> 8567

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acttgcttgc tggcccgggg gttttccaca aaaaaaattt ttttagggg gggaccccc 180
cgggaaaaag gtaggggcat ggggtcgggt ttttaaggcc caaaatgcc cgaagggtgt 240
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<210> 8568

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D5

<400> 8568

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gggtctccct aagttcatgg catgatacgc ggcattgcaga gcataaatct accatgatcc 180
cacagcgccc tgggctgggt tttcgaaggg agtgaagccc cagtaggtct tcaaggaata 240
tggggggtag atgggtgatc cttcacttgg gatcttggca atctggaatt tgttgataga 300
tgatctgtct cgggacagca agaccaccaa gcac 334

<210> 8569

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-D6

<400> 8569

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 ttgctgcctc nacagagggg ggggggggga gagaactggg tgtatggcag caattgttgc 180
 tgggtggggga aggcggcgac caatgggtta gccactgcc aatgggttaag taaccggtgc 240
 ggctgttgtc ggtacgcac agagtctgac agagtcagtt ggtctgaatg gaagcatgtg 300
 ttgtgagtga gaaacagggg ttgccacagt tacgcagagt cataagctgg cacaatctgt 360
 tgcaacaaag gctggtgcgc gtattgaggg gccttgccca catcaagtgg gctacactaa 420
 atgaccggtt 430

<210> 8570
 <211> 318
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-N6-D7
 <400> 8570

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 caaacggaac ctataaaaga ggactaacat tacatgattt ctccctaaca tttgcatgaa 180
 acaattttgc agaccacatc acaaatttgc atccatctct tattggctct ccatctgtac 240
 acgcttgctt atgtgcgcat gacgtaacac catctgagct cacaaataga aactaaaaat 300
 cccatctttt cttaacat 318

<210> 8571
 <211> 131
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-N6-D8
 <400> 8571

gggaacaaaa cttttttttt ttaatttaaa atggtcattc agggcattgg tcaaacgggg 60
 gggggggccc atgggggtgc gggacaaaat attaccaaaa catggggggg aaaagacca 120
 accggccccg g 131

<210> 8572

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D9

<400> 8572

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tttcagaaac cttagggggg cgggctgacc tcttgggaaa tctaaagggg gggccccccc 120
atggtggagc ggttttttaa aaccgggggg ttggcaaaaa aaaaaagggg ggggcgcccc 180
cacatttgtg ggggggaaaa aggggccccg gtttggcaca acagggttgg aaaaaggcaa 240
caacgggttt tgtttcaaaa agaggaccgg acaacacacc aaccgggggt ataaagaaaa 300
aaaattgtgg tggctaaaaa aagaggggag gcacaccctt cttgttgggg gaaatgaaaa 360
aaatcttttg gcggacccaa gggg 384

<210> 8573

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E10

<400> 8573

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ttattgaact ataactcata agcaatctaa aaggggcacc accaatgatg ggttgttggt 120
agaacactgt tgagtttgtc aaagcaagt gggtgaatgg cagcaattgt tgcagttgta 180
agagggtgcc agcgtaggc atagcgtgca ggtagaacgg caacaactgt tgttgtgtca 240
agaaggcagc agggctcaca tcagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcagc agagttcaat gctgctagtt gggtgaatgg aagaaattgc tgggggtagg 360
cagcaactag ctggctgaat ggtaattgtt gttgcaaata agcagcagag ttcaatgcag 420
ccagttgggt gaatggaaga aactgatgtt gctgagagta tgcagcaagg tttgctagca 480
caagttgttg tagttgttgt gccctgatgt tttgtgccac caaatggacc aaaggtaact 540
gctgtaatag ggctgacggt tggtt 565

<210> 8574

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E11

<400> 8574

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ggcggagggt tttggggggc cccccaaaaa tgaggaaaaa aagttagtca gaaactgctg 120

gcaaaacgga agcaaaaggg gggggcccca aaaggggggg gggggggaaa aaccaggggg 180

gctaaaaaaa aaaggggggg gtgaggga aaatcggggg ggccaaaaa gggcaaaagg 240

gttaccctaaa taaggggggg aaaaggggaa aaattgttgc ttgccgaaaa gaagttaa 300

tttccccccc cctgggggga aaaaggggaa aaaagtgtgg tctgtaaaaa aaaaaaaaaa 360

ttttgcccaa cctgaaaaaa ggaagaaaaa aaaccctttg ctacaaaaaa aagcaatggg 420

gccccacaaa ggggggaaaa 440

<210> 8575

<211> 270

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E12

<400> 8575

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aactataact cataagcaat ctaaaagggg caccaccaat gatgggttgt tggtagaaca 120

ctgttgggtt tgtcaaagca agttggttga atggcagcaa ttgttgcagt tgtaagaggg 180

tgccagcggt aggcataagc tgcaggtaga acggcaacaa ctgttgttgt gtcaagaagg 240

cagcagggct cacatcagct agctggctga 270

<210> 8576

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-E3

<400> 8576

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gtctatatag tctacattac gcagacccgc cgcggcaaca cagatacgg cgatcaagtg 180
aagaccctcc cggcgccggc ggtagtactc gccggcaaatt cgacctcacg gatctcggtc 240
ctcaggccct tgccggtagc gttcgctagc ggggtggatac catgctccgg tccgctcatg 300
tacgcccggg tctccctctc cttctggaag gagacaccga acttcttctc cacacagtca 360
gcgaggctct gccgaagctg gccctcgcg gtgagcacca tcatgatctg cgggaggccg 420
agcgggaacg cgtcgccg cggtccacctgc cagaagtggg tgggtcttgcc gtaggtcttg 480
cacaccttct ccagggtccc gcgtccacc acgcccgggca ccncggcat gaacagcacc 540
ccgcccttca cctcg 555

<210> 8577

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E4

<400> 8577

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aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaat 120
gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtggttg tgtcaagaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcaggagagt tcaatgctgt cagttgggtg aatggaagaa attgctgggg gtaggcagca 360
gatagctggc tgaatggtag ttgttggtgt tgcaaataag aagcagagtt caatgcagct 420
agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
agttgttgta gttgttgctg ccttgatgtt tgtgccaata aatgcaccaa aggtaactgc 540
tgtaata 547

<210> 8578
 <211> 523
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E5

<400> 8578

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gaacaagcag attagaaaat gcaactccta acactacgaa gagggggggg cgaacagaag 120
gaaccgaaca gaagcaaggt ttctacaagc agagacacag aggaaaggcc caacaacgtg 180
gacgacgaca acgggagatc aagccctctc gcccctgatg cggcgcgcgga gctggatgtc 240
cttgggcatg atggtgaccc ccttggcgtg gatggcgcaa aggttgggtg cctcgaagag 300
ccccacgagg taggcctcgg gggcctcctg cagcgcgggc acagcggagg actggaagcg 360
gaggtcggtc ttgaaatcct gcgcgatctc acggacgaag cgctggaagg gcaccttgcg 420
gatgagcagc tccgggctct tttggtactt gcgaatctcc cggagcgcgga cggtgccggg 480
gcggaagcgg tgaggctttt tcaccccacc ggttgccggc gcc 523

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<210> 8579
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E7

<400> 8579

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gggaaaaaaaa actttttttt tttggggggg ccctacatt aaccaaaaaa tggggggggg 60
gattccaact aaaaagcaat ctaaaaaggg gcccccccaa agatgggttg gggggaaaag 120
gggggggggt ttttaaaaaa aagggggaaa aaggggaaca actggggcag ttgaaaaagg 180
ggtggggggg taaccaaaaa ctggggggaa aaaggaaaca ctttttggtg ggtaaaaaaa 240
gaaagggggc tttttgtaac tacctggcca aaagggaata atatttggg ggggaaaaaa 300
aaaaagggg taaggggggc caattggtta aaaggaaaaa aatttttttt tttaaaatag 360
gcaaaacct cctgggtaaa agggaaaaat tgtgggtggt gcaaataaac agcaggggta 420
aaaaataaaa aagggggtga aaggaaaaaa tttttttt 458

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<210> 8580
 <211> 507
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-N6-E8

<400> 8580

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tcataagada tctaaaagag gcaccaccaa ttatggtttg ttggtacaat gcccctgggt 120
gtgggggggg ggctttttga atggcccaaa ttgctgcagt tgtaagaggg tgccagcggt 180
aggcgcaccg cgctggtaga accgcaacaa ctgtgggtgt gtcaagaagg tagcagggct 240
cacaccagct agctggctga atgggtactag ttggtgctcc tgtaaatac caagagagtt 300
caatgctgtc acttggttga atggaagaaa ttgctggggg taggcaacan atagctcgct 360
gaatggtacc tgcagctgct gcaaataaga agcagaattc aaagcaacta gtcgccctga 420
aaggaagaaa ctgctcctgc tgagagtggg cagcaaagtt tgccagcaca agttgtagaa 480
cttgttgtgc cctcgtgttt tgtgccca 507

```

<210> 8581
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E9

<400> 8581

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attattactc aatcatcgcc gctaaatgac tcaactagct agctagccag cggctatact 120
acagcacata gtttcttcag ggggggacac cgccggcagc agcgtagggg catggagtcg 180
gctgctgcag gccgcacatc gccgtcagtt gctgcgctat ctgcgccgcc aacagccccg 240
cgacctggcc gctttgcggc tgctgctgca ggatggactg gaggaccaag ccgaagatcg 300
cctggtaccg gtgctgcggc tccacctgcc tgagctgctg gcaacactgc tgccgcaacg 360
actggcactg aggcgagcag tagggcgctc cgcgcgggct gcactgat 408

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<210> 8582

<211> 480
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-N6-F1

 <400> 8582

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aaaaactaaa aagtcctttt ttatttctgg gaaccacaaa ccttcagcac aaaaaccttt   60
attatggacc tttacctcat aaaaaactaa aaagggcccc accaatgatg ggttgtgggt   120
aaaccctgc tgggttggtc aaaccaggtt ggttgattgg caccatttgt tgcagttgtā   180
aaagggctcc accgttaggc ccaccgtcct ggtaaaccgg caccacctgg ggttgtttca   240
aaaaggtacc aggcctaacc ccacctacct ggctgaatgg tagtagttgt tgctgctgaa   300
aataaccagg aaagtccaat gctgccagtt ggttaaattg aaaaaattgc tgggggtagg   360
caccaggtac ctgcctaaat ggaacttggt gttgttgcaa ataaaaacca aagttcaatg   420
cacttagttg gttaaattga aaaaactgct gttgcttaaa agtagccacc aaggtttgcc   480
  
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<210> 8583
 <211> 548
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-N6-F10

 <400> 8583

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aatctagaat gtactttctt atttctggga cgccacaaac atcatccaaa aaacttcatt   60
attgaactat aactcataag caatctaaaa gagggcacca ccaatgatgg gttgttggtā   120
gaacactgtt gggtttgtca aagcaagttg gttgaatggc agcaattgtt gcagttgtā   180
gaggggtgcca gcgttaggca tagcgtgcag gtagaacggc aacaactgtt gttgtgtcaa   240
gaaggcagca gggctcacat cagctagctg gctgaatggg agtagttgtt gctgctgtā   300
ataagcagca gagttcaatg ctgctagttg gttgaatgga agaaattgct gggggtaggc   360
agcaactagc tggctgaatg gtaattgttg ttgcaaataa gcagcagagt tcaatgcagc   420
cagttgggtg aatggaagaa actgatgttg ctgagagtat gcagcaaggt ttgctagcac   480
aagttgttgt agttgttgtg ccctgatgtt ttgtgccacc aaatggacca aaggtaactg   540
ctgtaata                                     548
  
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<210> 8584
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F12

<400> 8584

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ccccgggggg ggggggggct ccccccccg ttaaaaaggt aaaaaccctt ttgggggaag 120
ccccccctcc cttggggggt ttgaaaaaaa ggttttttccc aaaaaggccc ccccccaaa 180
tgccgggaaa aaaaaaaccc ccccttttcc cccccggggg aaaaaaaaa aaaatgttgg 240
ggggggggga aaacccgaaa aaaaattggg ccttttttaa cccaaaacag ggggggaaaa 300
acccccggg ggggaaggac cccccaaaaa accccaaaaa tccccgggg gggggtaaaa 360
aacccttta aaccccccg gtttttaaaa acaaagggg ggaaaaaaaa aggggggggg 420
gg 422
  
```

<210> 8585
 <211> 360
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F2

<400> 8585

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ataacatatt tagaatagg acaaaaaagc gcaacaccga aaaaggaaaa aaaaggggag 60
gaaaacacaa aacaccaaag ggaaacacca aaaaaggaaa aggagcagga gggagaagca 120
gggggcaaag aggggaacag ggggaagacg ggaggggggg agggggcggg gggcaagggg 180
gccaccggac agggaggaag gggggggggg ccacaagacc cacaagacca cggaaggcgg 240
gggaggggaag cagcaaggca cacggacgcg gggggtagcc ggggagagag cggaccggta 300
ccgggaaggg ggccagacc ccggagagcg ggccgggaca gagggggggg caagcagggc 360
  
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<210> 8586
 <211> 556
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F3

<400> 8586

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tattgaacta taactcataa gaaattaaag ggggcaccac caatgatggg ttgttggttag 120
aatgctgctg gggtggggga agcaagttgg ttgaatggca gcaattgttg cagttgtaag 180
aggggtgccag cgtagggcgc agcgtgctgg tagaacggca acaactgtgg ttgtgtcaag 240
aaggtagcag ggctcacacc agctagctgg ctgaatggta gtagttgttg ctgctgtaaa 300
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gcagatagct ggctgaatgg tagttgttgt tgttgcaa atagaagcaga gttcaatgca 420
gctagttggg tgaatggaag aaactgctgt tgctgagagt aggcagcaag gtttgctagc 480
acaagttgtt gtagttgttg tgccctgatg ttttgtgcc aataatgcac caaaggtaac 540
tgctgtaata gggctg 556

<210> 8587

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F4

<400> 8587

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aatgatgggt tggttggtaga aactgctgg gtttgtcaaa gcaagttggt cgaatggcag 120
caattgttgc agttgtaaga ggggtccaac gttaggcgca gtgtgcaggt agaacggcaa 180
caaagtgtgc tgtgtcaaga aggcagcagg gctcacagca gctagctggc tgaatggtag 240
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agtaggcagc aaggtttgct agcacgaatt gttgtagttg ttgtgccctg atgtttttgt 480
gccacaatat gcaccaaagg taactgctgt tgctggagag taggcagcaa ggtttgctag 540
cacgaattgt tgtaagttgt tgtgcc 566

<210> 8588
<211> 560
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F5

<400> 8588

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actgttgggt ttgtcaaagc aagttgggtg aatggcagca attgttgcag ttgtaagagg 180
gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actgttgttg tgtcaagaag 240
gcagcagggc tcacatcagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcagcagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtaggcagca 360
actagctggc tgaatggtaa ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
tgggtgaatg gaagaaactg atgttgctga gagtatgcag caaggtttgc tagcacaagt 480
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aatagggctg acggttggtg 560

<210> 8589
<211> 481
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F6

<400> 8589

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aatctgggga tccaggggaa cgtattttta aacaatttgc acacgtgggc ctcccaccaa 180
caggtagggg acatacgggg gcacatgctg aaaacactcg ctttatgtct aactggccct 240
tatgctggtg ctgctgcccc ccccaaaagt aaaatgcagg ccgttttttc caaaggatcg 300
gaggggccct gtacggcacc ccgaacatgg gcagttcctt gggcttgggc gtttccagga 360
gccaccccaa acgcgggttt tggctcctaaa ccccgggggc ctaatttggt atcgccaata 420

taaccgcggt atggcaagcc ctggtagtag gggcaccccc cgtccccgga ataggggggg 480
c 481

<210> 8590

<211> 521

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F7

<400> 8590

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cactggcact gctcaggagg aagacatgga agcaggacgc taggcggaga agaggccgtc 180
ggcggcggcc agcgcgagcc cgggtcttggg ctccagctgc accgcgacgg tgaatctgac 240
cccggacgcg gcggcggagg cggactccac ccaagagctc cacaccttgg ccacggcccc 300
gaagtctctc gtctcgccgc cgggtcccgt gtcgctaccg ctgtccccgc cggggggcgc 360
tcgccttgcc gtcttctcga actgctccgc caccagcaac gcgatgtccg ccatectctc 420
tctcgtatct gctgggctcg ctgacgacga tctcactctg ctcttgctcg ttgttgctct 480
gctctagtgc tctggtgact gtggaagctg tctgtgaaaa c 521

<210> 8591

<211> 523

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F8

<400> 8591

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tttggggaaa aggaactttt tttttggggg ggggcccatt ctttatcaaa aaaacttttt 180
ttttggtttc cacccaataa acaaattaaa agggggggccc cccaattttt ttttttgggg 240
ggggggcccc tggtttttta aaaaaaaggg ggaaaaaggg gaaaaattgt tggtttttaa 300
aaaggggggg ggggttacct caaaaatgtt ttgaaaaagg gaaaaacttt tgtttggtaa 360

aaaaaaaa accaattggt gaaattggcc ccataaaagg gaggtgtttt tgggtggtgaa 420
 aaaaaaaagg ggggggttaag gggggccaatt ggtaaaaaaa aaaaaatttt ttttttttaa 480
 aaagggcaaa acccaccggg ctaaagggga aaaggggggg ccg 523

<210> 8592

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G1

<400> 8592

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 aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaat 120
 gctgttggtt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca attgtgggtg tgtcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcaggagagt tcaaagctgt cagttgggtg aatggaagaa attgctgggg gtaggcagca 360
 gatagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagag 408

<210> 8593

<211> 561

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G10

<400> 8593

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<210> 8594

<211> 565

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-G11

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<210> 8595

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G12

<400> 8595

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 aaaggaaaag ggggggcccc cccccggggg gggggggggg aaaaacgggg gggggggaaa 180
 aaaaaggggg gggggaagag cccaagtgtt ggggaatgaa agggggggcc cggggaggaa 240

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<210> 8596

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G3

<400> 8596

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 tgttggttga atggaaaaaa ctgctgttgc tggagagtag gcagcaaggt ttgctagcac 480
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<210> 8597

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G5

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cgagacgcgg ttcctacagc agcgattctt cttgcaagtg catccagtgg gacatctaac 480
cataccgtca gccctttctt catgtaactc caattgattg gtcggatcac tgcaccacct 540
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<210> 8598

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G6

<400> 8598

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cgacgctgat cgaccggatg cggcgttggg cagggttgg cgtccgcttc gccggcgccc 480
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<210> 8599

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-G8

<400> 8599

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ggtagaatgc tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt 180
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 aatgcangct agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt 480
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<210> 8600

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G9

<400> 8600

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 gcccataaaa agtaacggaa cagggctcga acccatccca atttacatgg gcccataagg 180
 gggaacgatg gggtatcggc caaggggaaa attgggtccc cgggggagtt tgagtaaaaa 240
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 ccccaaaaat atgaagatca tgaggaaacac cctccgcca aaaaattttt ttattattaa 360
 ccacctgttg gacaaaagc cgttgaaaaa ctctaggagc tggccctggg ctcccttcac 420
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<210> 8601

<211> 57

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-H1

<400> 8601

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<210> 8602
 <211> 561
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-N6-H10

 <400> 8602

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cctacaacat tgaaggacac aaaagagcaa aaagaaagaa aaaatgcctt ggatgacact 180
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 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-N6-H12

 <400> 8603

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taccggtgca gcggtccac ctgctgac tgggtggcagc actgctgctg cagcgcttg 420
 cactgtggcg agccgtangg cgctgcgcgc gggctgcact ggtgcctcag gaactcgacg 480
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<210> 8604

<211> 510

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-H4

<400> 8604

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<210> 8605

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-H6

<400> 8605

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<210> 8606

<211> 569

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-H7

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<210> 8607

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-H8

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<210> 8608

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A3

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<210> 8609

<211> 629

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A8

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<210> 8610

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B1

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<210> 8611

<211> 658

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B10

<400> 8611

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cagtctcagt acaaaaacga cttagtggcc gtcaagcatg cagatgacgg ttcaggagtc 540

aagtatgcag aagacaagcg tgacgatgac gggttcagaaa taggtgctgc cctgattgca 600

gcctcgcaat ctcagtagag agatgtcctg agtggtatag aggtagcaag tagctatg 658

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<212> DNA

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<210> 8613

<211> 662

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B5

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<210> 8614

<211> 677

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B6

<400> 8614

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 aaagttcatt caggcacaca gagaaacaaa tgctgatatt accgttgctg cctaccgat 600
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<210> 8615

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B7

<400> 8615

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 gccctcgcag ggttcaaggc agcagctgtc gcgaccgtcg cctctgcagt tcccaccctg 180
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 ctggcgaggc agcactcgta cgagaacgcy ccggagcacc tcaaggacac ctccttcag 360
 ggcacccggc gtccgcaccc agggttcttc aggccttgag cgagaccatc aaactaccgc 420
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<210> 8616

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C12

<400> 8616

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ctcagcaaca tcagtttctt ccattcaacc aactggctgc attgaactct gctgcttatg 180
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tcaaccaact tgctttgaca aactcaacag ttgttctacca acaaccatc attggtggtg 480
ccctctttta gattgcttat gagttatagt tcaataatga agttttttgg atgatgtttg 540
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<210> 8617

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C2

<400> 8617

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tgctcagtc actagccatg gtgaaccctg ccgtctacct acaactactt tcactagcc 540
cgctcgcggg gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600

cagctctgac tcagctagct gtggcaaacc ctgctgccta cttacaacag ttgc 654

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C4

<400> 8618

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atcagggcac aacaactaca acaacttggtg ctagcaaacc ttgctgccta ctctcagcgg 180
gggcgggtttc ttccattcaa ccaactagct gcattgaact ctgcttctta ttgcaacaa 240
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caactgacag cattgaactc tcttgcttat ttacagcagc aacaactact accattcagc 360
cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacagtttgt tgccgttcta 420
ccagcacgct tgcgcctaac gctggcacc ttttacaact gcaacaattg ctgccattca 480
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tctttt 546

<210> 8619

<211> 674

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C7

<400> 8619

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atggttccaa agtttggcac cgaagtgcc aggtttgcaa ctattcatcg gagcccat 180
gccacatact gaggccaaat actaggagcc tggtttctgg tctgagccct tcaactgaat 240
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agagaaccat tcaatatgat tcacctaagg ggtctacaaa ttcaagtgag aacaatttat 480
tatgtgaccg gtattccaag cgggctaagg ttgcaaggct agatgggtgca agtgacaacg 540
acgaaagcca gttgccgcca acttctgaag ttttaccgtt tgcaagctcc aactactctc 600
cttccgaagc tccaagtaaa cctgacttgc ttattggcac cccagattcg gcctccaaga 660
tctatgtgga gcag . 674

<210> 8620

<211> 75

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C8

<400> 8620

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gagcgacaac atatg 75

<210> 8621

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D3

<400> 8621

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aaaggatatt attttgtggg gaaaaaaaaa ataaaaaggg ggagaagaaa aaaaaataaa 180
aaaaaggggg gggggaaaaa aatttggggg gggggttttg gggggcccca ttttttttcg 240
gggggggggg ggggttttgt ttttttttgg gggggccgca ttttaattct gggggggggg 300
ttttttggcg gggggggggg ggaaaccg ggggttcccc cttttggggg ggggggggga 360
gcccccttt tgccgggggg ggggtttagg ggggggggccc cccctttttt ctttttcaaa 420
atttggcccc ccctgggggg gggggggggc cccccctggg ggggggtttt gggggggggg 480
gggggggggg 490

<210> 8622
 <211> 657
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D5

<400> 8622

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tgcacgcggc atggcctatg tccatggcct tgggttcatt cacagagatc ttaagtcgga 180
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tgaagtcaag actgagggga tgacacctga aactggaaca taccgttggga tggctcccga 300
gatgatccag cacaggccat acaaccagaa agtggacgtc tacagtttcg ccattgtcct 360
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<210> 8623
 <211> 624
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-D6

<400> 8623

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tgagatccat ttagggtgcg ttcttttgtt caggattgat gccaggattg gttccagggt 240
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cggaacaaac aaacacaccc ttaccggagt ttctcccttt tctcattcct tttttccatt 360
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cgtctttggg tagatacatg ttgaggagat ggggaaagtg cgggtccgaaa gtatgttagg 420
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tgaattttta gttgatttta gggaacactc ttgaataacc aactaaaaat ttaggcactt 540
ctctatctca ggtgtctgaa tnttttagttg attttaggga acactcttga ataaccaact 600
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<210> 8624

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D7

<400> 8624

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cggtcctgt ccatccacca tgattaattt cgtgcctgat cagccgccag ggcaaggtga 180
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acaatgagct tgaagtcctt gagatcatcc atcatttctg cgagatactg gaccgatatt 420
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ttgccacaca ggattcgtta gtggaggctg ctaaagagga agccagctcc ataagtaaca 600
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<210> 8625

<211> 539

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D8

<400> 8625

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 ctgctgctta ttgagcaa caactattac catttagcca gctagctact gcctactctc 180
 agcaacaaca acttcttcca ttttaaccaat tggccgcact gaaccccgct gcttatttgc 240
 agcagcaaact actactgcca tttagcgagc tagctgcagc aagtcgtgct tccttcttga 300
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 aacaacacat cattggtggt gccctctttt agattgatta ttagttgtaa ttcaataata 480
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<210> 8626

<211> 666

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-E4

<400> 8626

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 aattgc 666

<210> 8627

<211> 690
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E6

<400> 8627

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agaagcgttc gacaaggta atccaaggtt gggcttcaac gtcgagctga aatttgacga 660
cagtcttgaa tacaccgagg aagagctcac 690

<210> 8628
<211> 611
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E9

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ctcacttgct cctagtgcga ttattccaca gttcctccca ccagttactt caatgggctg 180
cgaacaccta gctgtgcaag ccaacatgca acaacaagcg cttgcggcga gcgtcttaca 240
acaaccaatt gcccaattgc aacaacaatc cttgccacat ctaacaatac atgccatcac 300
atcgcaacag caacaacagt tgctaccagc actgagccac ctagccatgg tgaaccctgc 360

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tcaatgcacc tacatacctg catcatcaat tgttgcaaca gattgtacca gatctgactc 600
aactagctgt g 611

<210> 8629
<211> 665
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F1

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<210> 8630
<211> 624
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F2

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<210> 8631

<211> 660

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F3

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<210> 8632
 <211> 563
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F4

<400> 8632

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<210> 8633
 <211> 655
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F8

<400> 8633

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<210> 8634

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-G10

<400> 8634

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<210> 8635

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-G6

<400> 8635

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cagctgggcg atggatztat gctgtatcaa gcattgatgg ggcaatttca tgggaaaaag 180
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 ttgaattcaa gggtagaggg attagctaca acaagggtgct ggtttcagat cttgttcaag 480
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<210> 8636
 <211> 648
 <212> DNA
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 <223> unsure at all n locations
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 <400> 8636

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 gctttcggaa gtaaaccga tgcttggtt ccgtggctgc aggcttggtat tategtacgg 180
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 tggctacagc agggatgatg tggggaagtt catccccatt tatctggctc atggcatcct 540
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<210> 8637
 <211> 664
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-G8

<400> 8637

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ctccagtcca tctgcagca gcagccgcaa agcggccagg tcgcggggct gttggcggcg 600
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<210> 8638

<211> 676

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H1

<400> 8638

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gctcacttgc tccaagttcc attattacac agttcctccc accagttact tcaatgggct 180
tcgaacaccc agctgtgcaa gcctataggc tacaacaagc aattgcggcg agcgtcttac 240
aacaaccaat ttcccagttg caacaacaat ccttggcaca tctaacaata caaaccatcg 300
caacgcaaca gcaacaacaa ttctaccag cactgagcca cctagccatg gtgaaccctg 360
ccgcctactt gcaacagcag ttgcttgcat caaaccact tgccttgcca aacgtagttg 420
caaaccagcc acaacaacag ctgcaacagt ttctgccagc gtcagtcaa ctagccatgg 480

tgaaccctgc cgcctaccta caacagcaac aactgctttc atctagcccg ctgctgtgg 540
ccaatgcacc tacatacctg caacaacaat tgttgcaaca gattgtacca gctctgactc 600
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<210> 8639

<211> 308

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H10

<400> 8639

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gtggatcgca agtttctctt ctgctactgt tgctgctacc tttgctgggtg ttattgctag 180
ggtcgaatac ttaagttaac tatgcgctga cagtctggac tagcagtgtt atgtgcgctg 240
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<210> 8640

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H2

<400> 8640

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gagtatgtga aaaccagct cttcagccct ataggctcca acaagcaatc gcagcaagca 240
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tggtacaaac catcagggca cagcagctgc agcaactcgt gctacctgtg atcaaccaag 360
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<210> 8641

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H4

<400> 8641

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 acagcaacaa ttgctaccat tctaccacaca gaatgtggca aacattgttg ccttcttaca 600
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<210> 8642

<211> 145

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H6

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145

<210> 8643

<211> 424

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<223> Clone ID: LIB3061-104-Q1-N6-A1

<400> 8643

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aaaggggggg gggggggggg ggtggggggg gggggggggg gaaaaggagg gggagggggg 180
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aacgaggggg gaaaaaacgg gggggggaaa agaaggagtt taaaaggagg ggggctaaag 420
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<210> 8644

<211> 559

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-N6-A10

<400> 8644

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taaaagaggg caccacctat gatgggttgt tggtagaatg ctgggtggtg gggcaanac 180
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ctgatgtttt gtgccaata 559

<210> 8645
<211> 560
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A2

<400> 8645

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ttattcaagt tcacagaggt ctctttgaga gcacacaciaa aaaaaaatcg atcactcaac 180
ccaacaaaca tagcaactca caacccgagt ctctcttttt ccatttctcg gcttatctgg 240
atttctctcg tcatataatt aatcccgtgg ccaaaattgt gctgcgagcc tgggatttta 300
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<210> 8646
<211> 505
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A3

<400> 8646

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ttagtactac tagagttcag ttctggcaag ccaagggtgt ttgaagagct ttgcttagca 180
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<210> 8647
 <211> 550
 <212> DNA
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 <212> DNA
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 <223> Clone ID: LIB3061-104-Q1-N6-A5
 <400> 8648

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<210> 8649

<211> 557

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A6

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<210> 8650

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A7

<400> 8650

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 <223> Clone ID: LIB3061-104-Q1-N6-A8
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 <212> DNA
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<223> Clone ID: LIB3061-104-Q1-N6-A9

<400> 8652

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<210> 8653

<211> 468

<212> DNA

<213> Zea mays

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<400> 8653

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<211> 439

<212> DNA
 <213> Zea mays
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 <211> 549
 <212> DNA
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<223> Clone ID: LIB3061-104-Q1-N6-B2
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<223> Clone ID: LIB3061-104-Q1-N6-B4

<400> 8656

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gaggaccaac actttcctgt gagccgg                                     507
  
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<210> 8657
 <211> 546
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-B5

<400> 8657

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actctatata tctacgtaac aaagaattaa taatctctat cttgaaagaa taaaagattt  180
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tcagagacct ggacgatctg ttggtccaga tggcccatgc atggcttccc ctctgcatcg  300
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tagccctctt ggcatatcag gtccttcatt gcatcagaca cctccaaacc tatcccaggg  480
gccaaaagtc ggcccttgac ttcctttagg atgatatcaa gaatggccag catctgagtc  540
  
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ttctcc

546

<210> 8658

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-B6

<400> 8658

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cctacaacat tgaaggacac aaaagagcaa aaagaaagaa aaaatgcctt ggatgacact 180
tttattgctc cgatgatctc caacagactg atctgcagat cacgcatgta accagggtgct 240
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aattcgagca ttcttgtcaa tgattgtctt cctgatgcat gaatttttcc caataccaat 480
aggaatgcc a cttttttcgg caaggagttt tttatcagct tctgtctcat agtagtccgc 540
accattagt aaactgtcct ctatgatagc acct 574

<210> 8659

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-B7

<400> 8659

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tctcgtagca gtgctgcctc gccagcgaga ggatgcgtgt tgtccgccgc gatgaagtac 180
gccatgccag caactgtgga gacgatgagg gcctggccag cggggttgat gttggccttg 240
gcccattggca gcatcctgac gctagccagg gtgggaactg cagaggcgac ggtcgcgaca 300
gctgctgcct tgaaccctgc gagggcgcc tctcgcgagc attgcttggc gagctcaagg 360

ttctggtcga gggacgcgga gttcacggtg gacggcatgg tgatccgaat ccgatccctg 420
gagagagcta gctttgtcgc tctcag 446

<210> 8660
<211> 518
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-B8
<400> 8660

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cgaaagaagg caaccctaac ggaacccttt aaggcacaac tggctaggca ctacagggac 180
ccacaagaaa atccccctat agccaagtta agggtcacac gctgctaata aaaaaccagg 240
aaccctagcc aagtcgcctt ttccttctaa aagggtccga agttttggta tataattgcc 300
acagcgagca atataccagc tctgaacca atgggaccca taaaatcagc caggacggtc 360
aatgcgccaa tgcatacacc accaaatgca ccggcagcgg ggaatgaata ggctaagtgc 420
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accaacatcc ttgctgata aaccagaaac ttcaatcc 518

<210> 8661
<211> 254
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C10
<400> 8661

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tttttggggg ggacaaaaaa ggggggttta aaaaaggggg cccccaaaaa aggtttttgg 120
gggggggggc gctgggtttt tctcctctgg ggggcgcagg ggggaaaaat gggggtgttt 180
gtaggggggg ggggggttcc cccccctt ttttgggaaa ggggcaaat ggggtttgtt 240
cttagaagga aaaa 254

<210> 8662
 <211> 479
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C11

<400> 8662

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accttttttag ggacaccccg tccccccggt ggggggtgtg gggggccaac attggaatta  180
agggccgccc cgatcatgg tggggcgggg cattgatcag ggcccggcgt cgtcgttggc  240
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cgggtggtttg gttttatcct tggtgccaag cttttggatg gggggggtca cagggggggg  360
gggggcagcc ccctcgaagg gcgccttgga gatcctgtcc cacttttgga cctggttccc  420
ctgggttacg ggcaagggca ccccgctgctg ggtggtgaac cccgggttca ccggggggg  479
  
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<210> 8663
 <211> 589
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C12

<400> 8663

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ttgttggttag aacactgttg agtttgtaa gagcgggggg gttgaatggc agcaattggt  180
gcagttgtaa gagggtgcca gcgttaggca tagcgtgcag gtagaacggc aacaactggt  240
gttggtgtaa gaaggcagca gggctcacat cagctagctg gctgaatggt agtagttggt  300
gctgctgtaa ataagcagca gagttcaatg ctgctagttg gttgaatgga agaaattgct  360
gggggtaggc agcaactagc tggctgaatg gtaattgttg ttgcaaataa gcagcagagt  420
tcaatgcagc cagttgggtg aatggaagaa actgatgttg ctgagagtat gcagcaagg  480
ttgctagcac aagttgttgt agttgttgtg ccctgatggt ttgtgccacc aaatggacca  540
aaggtaactg ctgtaatagg gctgacgggt gttggaggaa caaggcgga  589
  
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<210> 8664
<211> 562
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C2

<400> 8664

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gctgcaaggc agggttcatc aaagagaact ggttgtagtg cagcaattgt tgttgctgct 180
gcaggaaggt agcgaccaat gggtagcca ctgccaatgg attaagtaac tgttgctgct 240
gttgtaggta cgcagcagag tttgacacag ccagttgggtt gaatggaagc aactgttgta 300
agtaggcagc agggtttgcc acagctagct gagtcagagc tggtagaatt tgttgtagca 360
actgttggtg taggtacgta ggtgcattgc ccaccgagc cgggctagat gaaagtagtt 420
gtaggtagac ggcagggttc accatggcta gttgactgag cactggcata aactgttgca 480
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gctgctggtg caagtaggtg ac 562

<210> 8665
<211> 92
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C3

<400> 8665

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taacaatcaa cgcggagggt gagagagaat ta 92

<210> 8666
<211> 581
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C4

<400> 8666

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 gatgggttgt tggtagaatg ctgctggggg gggggaggca agttggttga atggcagcaa 180
 ttgttgcagt tgtaagaggg tgccagcggt aggcgcagcg tgctggtaga acggcaacaa 240
 ctgtggttgt gtcaagaagg tagcagggtt cacaccagct agctggctga atggtagtag 300
 ttgttgctgc tgtaaataag caggagagtt caatgctgtc agttggttga atggaagaaa 360
 ttgctggggg taggcagcag atagctggct gaatggtagt tgttgttgtt gcaaataaga 420
 agcagagttc aatgcagcta gttggttgaa tggaagaaac tgctgttgc gagagtaggc 480
 agcaaggttt gctagcacia gttgtttagt ttgttgtgcc ctgatgtttt gggccaataa 540
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<210> 8667

<211> 554

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C5

<400> 8667

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 tgcactgcat gccccagac acaagcatgc acacacaaag cacaacacat aaacgactag 180
 ctagagctat cgcggcgacc gagactctac ggcagcgtag gtagcagcag ccaccgcctt 240
 taagggccat atgccgcgcg gccggcagtg gttcaaggag gtcgcgcgcg cgggtccgctc 300
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<210> 8668

<211> 398

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-C6
 <400> 8668

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 ggggggtttga gggggccac ccccccttt gtgggggggt tttggcctct ttcaaaattt 180
 cccccccct ttgagtagct tgttgaaacc cccaaacccc ccaggggggg gggggggccc 240
 cccccggatt atggattgaa ccccttttta aaattcttgg ggaaagtatt tgggctcaat 300
 ttgcccaaaa aataacaaca cttttggtgc aaaaccggc aagtactttg ttttttcaaa 360
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<210> 8669
 <211> 534
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-C7
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 ttgaaaccgg agctcagaac cgttcatga ttaccagcac atggttccac catgattgtc 180
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<210> 8670
 <211> 574
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C9

<400> 8670

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gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta gcacaagttg 480
ttgtagttgt tgtgccctga tgttttgtgc caacaaatgc accaaaggta actgctgtaa 540
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<210> 8671

<211> 553

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-N6-D1

<400> 8671

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gggtgagaca atatggaagt cttttttttt ctcgcccat gcaaaagcac aagcggaaac 180
caaatctaag gggagtgaga aaatgcccc gtgatttttc ctgtcagtct attttgggtc 240
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553

<210> 8672

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D10

<400> 8672

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ctcaacagtt cacacaataa cagcaacgac cacaaacaaa acttgtaatg atgaaaacta 180
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acagcgatgt gggagggtgtg gcagtccagc acaggggcat agccgttgcc aatctgcccc 540
gggtggttca tgatgatgac 560

<210> 8673

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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tggccaaacc gccccgggc ccgggggacc aaaaaaacc ggggggggga aaggacaaaa 240
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ggcccccaaa ccttgggggg gggggggaaa aacccaaaaa agggaagggg gggccccccc 480
ttaaagccc cgcacggtca aaaaaacccc ttggaatatt aaagggcccc aaaaaaaac 540
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<210> 8674

<211> 562

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D12

<400> 8674

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<210> 8675

<211> 67

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D3

<400> 8675

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ggggggg 67

<210> 8676
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D5

<400> 8676

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tttacaacgg agaagggtat ttgggtcaagc ataaagctac ctttattaca accactctgg 180
tgtactctac ggggacatgt caaagacaga aggcagactg aggagtcagc tccctgcttt 240
tgaagcacia ctctaataat atatattata aatacatagg agtaaacggc actccagggt 300
attttcctgg attttgggga tgactcaatc cagcgtcatt ggttgggcga tgc 353

<210> 8677
<211> 556
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D7

<400> 8677

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cacagaaaac atgagcagag caaatggact agcagtccag tgcattacag ttgcttgaac 180
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caaaatatcg gtccagtatc tcgacgaaat gatggatgat ctcaaggact tcaagctcat 480
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tgtaacccct ccactc 556

<210> 8678
<211> 539

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-D8
 <400> 8678

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<210> 8679
 <211> 507
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-D9
 <400> 8679

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cggacaaaga ccagagttgt gtaaaatagg gatattttta aaatttggaa aaatttggaa 360
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<210> 8680
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E1

<400> 8680

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gctggtttta ctggggggcc atcagcgccg cgagctcgct ctccggctgc tgctgcagga 360
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<210> 8681
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E10

<400> 8681

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atggggttgc gcaaggcagg ggtcatcaaa gagaactggg tgtatggcag caattgttgt 180
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agtagttgta ggtagacggc agggttcacc atggctagtt gactgagcac tggcataaac 480
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<210> 8682
 <211> 572
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-N6-E11

<400> 8682

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 gctgctgtag gaaggcaacg accaatgggt tagccaccgc tagtggatat agtaactggt 240
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 tcagttgttg ctgtttagg taggcggcag gggtcaccat ggctagttga ctgagcgtg 480
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<210> 8683
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E12

<400> 8683

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 gcttgtagaa aggcagcaac tggtgctgtg tcaagaagga agcacgactt gctgcagcta 240
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 gtaatagttg ttgctgcaaa taagcagcag gggttcagt 398

<210> 8684
 <211> 554
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E4

<400> 8684

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tagaacgctg ttgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt  180
aagaggggtg cagcgttagg cgcagcgtgc aggtagaacg gcaacaactg ttgttgtgtc  240
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aaataagcag cagagttcaa tgctgccagt tggttgaatg gaagaaattg ctgggggtag  360
gcagcagcta gctgactgaa tggtagttgt tgttgcaa at aagcagcaga gttcaatgca  420
gccagttggt tgaatggaag aaactgctgt tgctgagagt aggcagcaag gtttcctagc  480
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<210> 8685
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 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 8685

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gtagaacgct gctgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg  180
taagaggggt ccagcgttag gcgcagcgtg ctggtagaac ggcaacaact gtggttgtat  240
caagaaggta gcagggtca caccagctag ctggctgaat ggtagtagtt gttgctgctg  300
taaataagca ggagagttca atgctgccag ttggttgaat ggaagaaatt gctgggggta  360
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tgcagcntag ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg 480
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aaggtaacct gatgtaatag ggctgatgat t 571

<210> 8686
<211> 559
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-N6-E6

<400> 8686

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atcagtacat cagtaacaca ttagtcaatt catccatgat agacagacag aacaccagga 180
agtctaggca ttattggaca agctcaggaa taagcctcag caggaacgag atctcgcgct 240
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gcaccaggtc gacgatgacc ccgttcactc ccatgagggtg ctgcatgtaa accgcctccg 420
gcacgttggt caatgttcca taggttagca gggagagggt agcttccctt gatctttggc 480
acggcgngcg gggtgccctg aagatccgcg gggcttctga aactattcct tgcaggccac 540
cggcaaggca cagcttgac 559

<210> 8687
<211> 547
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E7

<400> 8687

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atagcttgtc agoccattgc atatttctga gtccagctcc tagcagtcga ttcgtacttc 180

acgcgatcag tcttgtacaa gtgagcaatc tctgggacca acggatcgtc agggtttggg 240
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 tgctccttca agatatcaag acagatgctc ccgttgctgt tgatattcgg atggtaaacc 360
 ttcgtcttga atgcaacott cggtgggttg aatgggtagt ccggtggaaa gtgaatagt 420
 accaaaaaac gccaccagcg tatgggctat ctgatggccc cataatcgtc gcctgccagt 480
 agaacatatc ttcggcaaca gggcctgcgc tgcaagaggt ggggaaggat ccttctgcag 540
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<210> 8688

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E9

<400> 8688

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 ctgcctcgac aagacaggat tcatcaaaga gaactgggtg tatggcagca attgttgctg 180
 ctgtaggaag gcggcgacca atgggttagc cactaccaat ggattaagta actgttgctg 240
 ctgttgtagg tacccaacaa agttcgacag agtcagttgg ttgaatggaa gcagctgttg 300
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 ttgttggtgt tgtacgtagg cggcagggtt caccatggct agttgactga gcgttggcag 480
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<210> 8689

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F1

<400> 8689

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gtttagattg ttgtgccctg atgttttgtg ccaccaaagtg gaccaaaggt aactgctgta 540
atagggtgta cggttggttg aggaacaagg gtgataa 577

<210> 8690
<211> 512
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F11

<400> 8690

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ctagctagct agccagcggc tatactacag cgcagggggg gttcagtggg ggacaccgcc 180
ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
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gccgcaggtt ccctgcagct ggcacgggct tg 512

<210> 8691
<211> 115
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F2

<400> 8691

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<210> 8692

<211> 572

<212> DNA

<213> Zea mays

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<400> 8692

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gtgctgctca gcctcggggg cgccggcgcc gagccagggg tcgaaggcga gggagatcgc 540
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<210> 8693

<211> 477

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F4

<400> 8693

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tggcagcagt agcggcagcg gcagtagttt gatttttaac gagcgcaacg atcctcgtcg 180
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cagcccactc gaaggccgcc ttggagatcc tgtcccactt ttgcacctgc ttcccctgcg 300
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 tgttgaaccg cagccccttg cacaccatga ccaccagctt caccagcttg ctctttgtgt 420
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<210> 8694

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F6

<400> 8694

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 acactgctgg gtttgtcaaa gcaagttggt tgaatggcag caattgttgc agttgtaaga 240
 ggggtgccagc gttaggcgca acgtgctggt agaacggcaa caactgtggt tgtgtcaaga 300
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<210> 8695

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F7

<400> 8695

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 aggatgaaca cagcactaac aactgacaca gagcgacctt caatcaaaaa cacagatggg 180
 caacaacaaa cagcagacga acgaagataa acactctgga ctagggtaaa caacacggta 240
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<210> 8696

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F8

<400> 8696

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<210> 8697

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G1

<400> 8697

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 caacaactgt gggtgtatca agaaggtagc agggctcaca ccagctagct ggctgaatgg 240
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aagaaattgc tgggggtagg cagcaggtag ctggctgaat ggtagttggt gttgttgcaa 360
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<210> 8698
 <211> 577
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-N6-G10

<400> 8698

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<210> 8699
 <211> 522
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G11

<400> 8699

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<210> 8700

<211> 520

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G2

<400> 8700

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<210> 8701

<211> 527

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G4

<400> 8701

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 acccaaatac catatacaaa catgtataca tctcatgccc ttaacacttc cacgtcggtt 180

tggctggagc aaactacagg cttggcttgc agttgatcaa cgcacaaaga cgtttttcat 240
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<210> 8702

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G5

<400> 8702

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 ggaaaacccg gggggcccat agggggggcc caccctaaat aattgggggg gggccaaggc 480
 cccctttcca gggggggaac ctggggggcc cgttcctatt aaaaattcgc ccaccccccg 540
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<210> 8703

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G6

<400> 8703

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 ccattgcttt tactgaatgg gggaaaaagt atgactggga ttttactgcc acctcagggc 180
 gggcgtatga tgtaattggt gctgaaagat tatgcttccc aagtatgagc ttcattgacat 240
 ctttattgtc cgccctagat tgatcatata tctcaatcac cgctatttca aatctgtgag 300
 ctgcgagatt aaaataatga taaacaaccc agttctcgct caagactgca tgtacagggc 360
 cttgtgcacc atgatgagtt acacgatgaa gtatgcgtcc agtgactgca tcaataagat 420
 atgcaacaag tgaagcttct tcaggtagca cagatccaat atcaccagca gctttaggag 480
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<210> 8704

<211> 485

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G7

<400> 8704

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 gggcgtggta gttttattaa tcaccagatg caccaacagc aggcgatccg gctgccaacg 180
 agcagaggcc ccctcagaca agcacctgag ctgcagctag cctagcgatc gggaccctga 240
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 ctccaccatg ttctccacaa atgccacact tcaagttagg cctagctttg cggccccctt 360
 ctgtagcaag cttaaccagc tcgcccactc ctttttggtc gagaacctcg aaggggtcat 420
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<210> 8705

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G8

<400> 8705

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agtttcttca gtgggggaca ccgccggcag cagcgtaggg gcatggagtc ggctgctgca 180
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ggcccaggat cggggtgctg ccaacgccgc aggttccctg cagctggcac gggcttggat 480
gcggctgttg gcacgggcat ggggtgtggc ggggatgagg ctgaggccgg ggcggttgag 540
tagggtagtg gcatggtggc 560

<210> 8706

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H1

<400> 8706

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gatgggttgc tgccctgaca agacagggtt tatcaaagag aactggttgt atggcagcaa 180
ttgttgctgc tgtaggaagg cagcgaccaa tgggttagcc actgctagtg gattaagtaa 240
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ctgttgcaac aattgttgtt gcaggtatgt aggtgcattg gccacagcga gcgggctaga 420
tgaaagcagt tggtgctgtt gtaggtaggc ggcagggttc accatggcta gttgactgag 480
cgctggcaga aactgttgca gctgttgttg tggctggttt gcaactacgt ttgccagagc 540
aagtgggttt ga 552

<210> 8707
 <211> 308
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H10

<400> 8707

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 attcgaccct agcaataaca ccagcaaagg tagcagcaac agtagcagaa gagaaacttg 180
 cgatccacaa aacaaaccct actcatatgt ccttacaatg gcaccagatt aacaataacc 240
 ccaggacttc atgtttttgt cacgatgttt gaggtggcga ttaggccctc tcgccgcgga 300
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<210> 8708
 <211> 553
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H11

<400> 8708

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 agatacaggc taaaatcgct ggggagaaga gatgcatggt cgtcgacaag ccatgtgacc 180
 tggctatcca tgcagtagac gagaccacaa ggattctgtc gatctgtgct cttgcgtcag 240
 ctcagctcgc atgggatctg gtaggacacg ctctaccgcc gcagggtctg catgatgtac 300
 tggccgtaca ggtccatgga gtactggatg gcttcgcggg cagcggcggc gggcaggaag 360
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 tcttgagggc ggtgagggga gagctcgctg atgtcgttgt agtggcggtc ctcggggctg 480
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 ccgatggccc tgg 553

<210> 8709
 <211> 553

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-H2
 <400> 8709

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aggaggccgc tcggtctgtc aaagcaagtt ggacaaaggg caacaattgt tgtagttgta 180
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aataagcagc ggggttcagt gcggccaatt ggttaaattg aagaagttgt tgttgctgag 360
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tcagtgtaga cagttggttg aatggaagaa attgttgttg ctgagagtag ggagaaaggt 480
ttgccagagc tacttggttg atcacaggta gcacgagttg ctgcagctgc tgtgccctga 540
tggtttgtac caa 553
  
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<210> 8710
 <211> 106
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-N6-H3
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gggccccccc cccccgccc ccccccccc ccccccccc ccccc 106
  
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<210> 8711
 <211> 560
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 8711

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caataagggtg gtaggattcg tcaaagcatg ttggctaaat ggtagcaatt gttgttggtg 180
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gtagatagca gggttcacc cagctagttg attgaatgga agaaactgtt gttgctggag 480
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ttggtgtgcc ccgattcttt 560

<210> 8712
<211> 575
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-104-Q1-N6-H5
<400> 8712

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ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattgtt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
ttgtaggtac gcagcagagt ttgacacagc cagttgggtg aatggaagca actgttgtaa 300
gtaggcagca gggtttgcca cagctagctg agtcagagct ggtacaattt gttgcagcaa 360
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taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actgttgtag 480
ctgttggtgt tgctgggtatg cagctacgtt cgccagagca agtgggttgg atgcaagcag 540
ctgctgttgc aagtaggtga cagggttcac caggg 575

<210> 8713
<211> 144
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H6

<400> 8713

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gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
cactgctggg tttgtcaaag caag 144

<210> 8714

<211> 492

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H8

<400> 8714

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tacttaacac gagcccgaa aatggcaggg ggggaagacg gcgcccccaa acatgcatgc 180
ctgggttttc tatttcaaata gaaaatgcac gagggccccc ccccttcctt ggggttggtg 240
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cagtttcgtg acggccaaca ccggggtgac cgccttcagc gtgcgcattt gccaccctc 480
cgcctcggcg gg 492

<210> 8715

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H9

<400> 8715

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acagtgcata ccgttacaca gctatgtaat tattctgagc ctctgagttc catcatcaga 180

tagaggtgca ggttgccttt cgccgggtca tttgcgcagc aagtctctca gtttatcggc 240
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ccttgcaaat gccagtgaag attcatcatc ttctcctcgt ttaatgttat cattgttttg 540
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<210> 8716

<211> 659

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-A12

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tgacggcgat gtgcggcctg cagctgcagc agccaggtcc ctgcccttgc aacgcagctg 600
ccggcggtgt ctactactga ggaaactatg tactgtagta ataatgtaat ggagcgcgt 659

<210> 8717

<211> 659

<212> DNA

<213> Zea mays

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<400> 8717

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ggaactgatg tctgccaccg attcatgtgg agcatattgt ttgatgagag gacatggcat 240
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cattcatgtg aatgataata gttgtgcctc ctccgactac catgtgtctc ccgttgcaat 600
ttcttacaag catgtttata tatgtacaac tgcttgactg tacatacaca cacctgttg 659

<210> 8718

<211> 550

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-A6

<400> 8718

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atgatcagca 550

<210> 8719
 <211> 665
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-K6-A8

<400> 8719

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gcttgccacc aaggctgccc gtaagtctgc cccaccact ggtggagtga agaagccggg 180
gggctaccgc cctggaactg ttgcactccg tgagatccgc aagtaccaga agagcactga 240
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<210> 8720
 <211> 606
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-B4

<400> 8720

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<210> 8721

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-C5

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 aaccaactga ctatgtcgaa ctctgctgcg tacctacaac agcgacaaca gttacttaat 540
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<210> 8722

<211> 650

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-D12

<400> 8722

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<210> 8723

<211> 656

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-D9

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atacgtgtga agaagcatca gacgagatta atatttttagc caaagcacca atgatg 656

<210> 8724

<211> 667

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E2

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gcagctgcag cagccaggtc cctgcccttg caacgcagct gccggcggtg tctactactg 600
aggaaactat gtactgtagt aataatgtaa tggagccgct gactagctac ctatagggct 660
atagcta 667

<210> 8725

<211> 301

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-E3

<400> 8725

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gcncagcagg gccgcacaaa gaanaaanca gaaggcanag caaggcnnan ncaaggacgg 180

ggggggcgaa canangccgg gcacaannaa aaggaaannc gnnagcaggc nccacanaaa 240
ccaggcagan ganggaaaaa cgaaccagca cannanggag nccacaagac acccaaccga 300
a 301

<210> 8726
<211> 571
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-K6-E5
<400> 8726

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tcgccgattc ggccggcctg ccgcctctgg gggccgtcgg tcaggtggat gccgtggtga 120
acgagggcgtt caagatggcg aaagccgacg acctcagggc ggtggacgag gcggagttca 180
agaagctgct gaccgaggtt cttggggccg tcatgtgca gctggacgcc agccccgtcg 240
ctgtctccac caacaccgtc gtccacgagc ccatgtgcac ctctctctcc tctccgcgc 300
tgctgtcgcc cagcccgctg tctccgatgg tgctctctcc tgctagtga taggagaaga 360
cttgacaact gagtgaggag atgacgatgg agatggatca caccggccccg tcacgctcag 420
tttttctttt tctgtgtcac cgggtactaa taacatgtta ggaacttgtg ggtttttatg 480
tcgcttataa cttctcgtca aataaggctt ttctaagctt ttgagtagtt gtgaacattt 540
taagcaatcg tgaacagatg gtggttgata t 571

<210> 8727
<211> 655
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-105-Q1-K6-E8
<400> 8727

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ccattattcc acaatgctca cttgctccta gttccattat tccacagttc ctcccaccag 180
ttacttcaat ggccttcgaa caccagctg tgcaagccta taggctacaa caagcgattg 240

cggcgagcgt cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
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 ccatggtgaa ccctgtcgcc tacttgcaac agcagctgct tgcattccaac ccacttgctc 420
 tagcaaacgt agttgcaaac cagcaacaac aacaactgca acagtttctg ccagcgctta 480
 gtcaactagc catggtgaac cctgccgcct acctacaaca gcaacaactg ctttcatcta 540
 gcccgctcgc tgtggccaat gcacctacat acctgcaaca agaattgttg ncacagattg 600
 taccagctct aactcagcta gctgtggcaa accctgttgc ctacttgac agctg 655

<210> 8728

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E9

<400> 8728

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 ttagattgct tatgagttat acttcaataa tgaagttctt cggatgatgt ttgtggctgg 180
 gcagaaataa gaaagtacat ttctagattc taaaaaaaaa aaaaaggac 229

<210> 8729

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F1

<400> 8729

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 gatgaaggag ctggagagcc tctgcaaccc catcatcgcc aagatgtacc agggcgcggg 180
 tgaagacatg ggcggcgctg ggggcatgga cgaggacgcc cctgccggca gggcgggccc 240
 tggccccaag atcgaggagg tggactaagc ggtttgttgt cagtcttgag tgtgctgcag 300
 ttgctggctg gccagttgc tgccgagagt tatcgtcagt tggcgcggtg tgcccgctta 360

aactttatatt gtggttggtt ggtacttttg tgggtggttat ttttttggac ctctgatag 420
tcggtcgggt caatgtt 437

<210> 8730

<211> 531

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F2

<400> 8730

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aaggagctca aggacctgca gaaggatcct cccacctctt gcagcgcagg ccttggggcg 180
gaagatatgt tctactggca ggcgacgatt atggggccat cagatagccc atacgctggt 240
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gcattcaaga cgaaggttta ccaccgaat atcaacagca acgggagcat ctgtcttgat 360
atcttgaagg agcaatggag ccttgacttg acagtttcta aggtcctcct ctcaatttgt 420
tcccttctga cggacccaaa ccttgacgat ccgttgggtcc cagagattgc tcacttgtac 480
aagactgata gcgtgaagta cgaatctact gctaggagct ggactcagaa a 531

<210> 8731

<211> 667

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F6

<400> 8731

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catagagatc cttgttattt ctcttagaca atgctcaata attcttccat agcttcatgt 180
gtggctcgtc aactttactg cctggtaact agtacagctt tgaatgtctc ccttattttt 240
tgtagattgg tactgatata cttctccact cgtagccat cttgttttca tgttcactta 300
tttgatacta gatcgtacaa ctaagatttt ctctgaatcg gtatatcatc aaacttaacg 360

gcacatatta atctgaggcc attcttctgc agggggattt cacaccaata gatgtgtttg 420
 ccgtaaagtg gatccaagct ggagtgactc attttggttt gacagcttcc tactatgggt 480
 tcgtagctga tgttctgcaa ctgtcagaaa agttccgctg gcagctcggc cccttccggt 540
 acgttggtgc tggccttctg aagtttcttt cattacccca gtacagattt gaggtggact 600
 atctcccttc atcgctgcag gggagatgtt ctgaatcaag accactggct gaaaaacgtc 660
 acgaaca 667

<210> 8732

<211> 635

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-G10

<400> 8732

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 ggcaacggtg gaggaggcag cagctagcat cgaccagcta gagacagagt tcgagcacca 180
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 ggacaacacc aggatgctgc tcaagctacg agagacggag agcaagatcg tgatgttgaa 360
 agagcaggtg gacaagctgg aggtccggga gaaggatctc taccggacga ccgaggtcct 420
 gaagatgcag agcaggacct tcaaagtgtc cctctttggc ctggtccagc tgataatgat 480
 gtgcctgtcc ctgaagatgt tcttcgcgca ggtctcggcg ccgtttgacg aggttgtgcc 540
 gacatgatga tgccctgcct cgtttggatg cattcgtatc cacatggatt gacgtgctca 600
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<210> 8733

<211> 598

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-G3

<400> 8733

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 tttccctcaa tgctcacaag ctccctatagc ttcccttctt ccccatacc ttccatcaat 180
 gagagcttca gtatgtgaaa acccagctct tcagccctat aggctccaac aagcaatcgc 240
 agcaagcaac atacctttat cacccttggt gtttcaacaa tcgccagccc tatctttggt 300
 gcagtcattg gtacaaacca tcagggcaca gcagctgcag caactcgtgc tacctgtgat 360
 caaccaagta gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt 420
 caaccaactg tctacactga acctgctgc ttatttgag caacaactat taccattcag 480
 ccagctagct actgcctact ctacagcaaca acaacttctt ccatttaacc aattggccgc 540
 actgaacccc gctgcttatt tgcagcagca aatactacta ccatttagcc agctagct 598

<210> 8734

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-G9

<400> 8734

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 gcaacccggc gcagctgacg ccgtgcgcgg ggccggcgct gttcggcggc gcggtgcggg 180
 gggcgtgctg cgcgcagctg cgggcgcagc aggggtgctt gtgcgggtac gcgcgcagcc 240
 ccaactacgg gagctacatc cgcagcccca acgcggcgag gctcttcgcc atctgcaacc 300
 tgcccatgcc gcgctgccgt tattagcggg cagtagtata tatactagct agctattcca 360
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 ctatggatca ttaggacgt tctgatacat gaataaaatc caggacgtct cagtttgggc 480
 ggcaatatag gtgggtaggg atggatatat tagtcgcgaa tcaatacccg cgaaacaaaa 540
 ctcaactcat atctgtatct ataaacgttc gtgggtatgg at 582

<210> 8735

<211> 663
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-105-Q1-K6-H1

 <400> 8735

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acaagctcct atagcttcct ttcttcccc atacctctca ccagcgggtgt cttcagtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagcag gcattcttacc 240
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tttggtggca caaaacatca aggcacaaca actacaacaa cttgtgctag gaaaccttgc 360
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accaccattc agccagctag ctgatgtgag ccctggtgcc ttcttgacac aacaacagtt 600
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<210> 8736
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-105-Q1-K6-H4

 <400> 8736

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cagcagcagc cgcaaagcgg ccaggctcgc gggctgttgg cggcgagat agcgcagcaa 180
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gtccccact gaagaaacta tgtgctgtag tatagccgct ggctagctag ctagttaggt 300
catttagcgg cgatgattga gtaataatgt gtcacgcac accatgggtg gcagtgtcag 360
  
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tgtgagcaat gacctgaatg aacaattgaa atgaaaagaa aaaaagtact ccatctgttc 420
c 421

<210> 8737

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A1

<400> 8737

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gcctcggcgg ggccgggattc atcaaagaga actggttgctc tgggagcact ggggtgctgct 180
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gttggttggtg cgcaccatag ttcgacagag tccgtgggtt gaatgggcgc agctgttgca 300
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<210> 8738

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A10

<400> 8738

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gggggtccca aggaataggg ccatcttggg gggggggggg gggggctttt tttaacaggc 180
tccccctggg ccttggggta atttggggg ttttttatcc ccctagggtt cacggggggc 240
ccatgcttag ggggggggag ggggtttggc aaagggtcag ccaccttcaa atccgggggg 300
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ggggcccagg ggggggtcaa ggggggtgat ggctttggaa acacccccgg gtcggggggg 480
gacttttttt ttcaaaaacc tttctttggg gattcagaag gcgggagggg cgggggttcg 540

ggggggg

547

<210> 8739

<211> 535

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A12

<400> 8739

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ccccctggg ggggggggaa aataacttac tcattgccgg taaaagagaa aactaccag 240
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ggtttttttt taaagaagga ctggaggacc acacctatt ttgctggta cgggggcaag 480
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<210> 8740

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A2

<400> 8740

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ctgccacca tggatgatgc tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
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cgggctgcac tgatgcctca gaaactcgac gcactggccc aggatcgggg tgctgccaac 480
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 tggc 544

<210> 8741
 <211> 243
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-A3

<400> 8741

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 atccctgggc gccatcaagc gggctgggac accccaccta gaggggaggg aactcgaggg 180
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 aca 243

<210> 8742
 <211> 265
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-A4

<400> 8742

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<210> 8743
 <211> 563
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A5

<400> 8743

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ttaataaaga actccaaagt ggtagtaatg gctcttctat aataattttg aggattgtcg 240
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caatatgctc cacatgaatc ggtggcagac atcagttgtg cgttgtagaa tctgatcgca 540
caatttcttt ggttctggtg tat 563

<210> 8744

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A6

<400> 8744

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gttcttgagt tcatgatcaa taagccggag cttcagactg ttctcttcgt tgaggaggga 240
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cttg 544

<210> 8745
<211> 508
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A8

<400> 8745

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ggttcaaccc tagcaataac accagcaaag gtggcagcaa cagtagcaga agagaaactt 180
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<210> 8746
<211> 247
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-105-Q1-N6-B1

<400> 8746

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atattgatag gccatggttc acttgggnaa taatgcatta atgctcagcc catctccctt 180
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tacattt 247

<210> 8747
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B2

<400> 8747

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gggggtttctt ggggttttaac ttttcggggg ggccccctaaa atttttcact ttttttgggg 180
gcccccccaa tttttggggg gggcctgcct ggttggcccc cccccctttt tttccccaacc 240
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ttgtaaagtg tgggagattt tttttccaat ttaatggggg gtttttgcca ccccttgggg 360
tttggggggc ggggggctcc caatttttgg gcccgggggg cgggggtcca gggccccctc 420
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<210> 8748

<211> 535

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B3

<400> 8748

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attctaccct acaacattga aggacacaaa agagcaaaaa gaaagaaaaa aatgccttgg 120
atgacacttt tattgtctcg atgatctcca acagactgat ctgcagatca cgcattgtaac 180
caggtgctga tcattgtcga atgtcgagac acacagctgc atgtcgcacg ttcacttcat 240
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ttgtctccaa ttcgagcatt cttgtcaatg attgtctctc tgatgcatga atttttccca 420
ataccaatag gaatgccacc tttttcggca aggagttttt tatcagcttc tgtctcatag 480
tagtccgcac ccattagtaa actgtcctct atgatagcac cttcagattt gcaag 535

<210> 8749

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B4

<400> 8749

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ctgatcgccg gccggatctg cctcgtccgc tcctcgtct actgggcgc gcagctgctc 120
ggcgccgtcg ccgcccgcgt cgtgctcagg ctgccaccg gagggatgca tctgccggag 180
tacgcgctgg cggggggcgt gagcggatgg aacgcggcgg tgctggaggc ggccatggcg 240
ttcgggctca tgtacgcta ctttgcgacg gtgatggaca aagcgggag ggtccgcgcc 300
ggcgccggag cgctggcggc gccgctcgcc gtggggctcc tggcgggggc taacgtgctg 360
gcctgcggcg cgctggaggg gccgctgatg aatccggcgc gcgcgttcgg gccgcgcgc 420
gtgggctccc gtcgctggag acaccaatgg gtgtactggg tggggcccat ggtcggcgcc 480
ggcctctccg gcgtcgtcta cgagcacctc gtcgccggcc cggccgccga ggaggaggag 540
gagcccgcgc cgagctgcgg cgaccgccgt cgtgcgt 577

<210> 8750

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B5

<400> 8750

ttgttttttt tttttttttt tttttttttt tttttttttt tttttatcga gataaatctc 60
aatcaatata ttgattatit ctaggaaaca catgtcggtt tgagggcccc attggcgagt 120
acatctcata tgtaatctaa aagatggggc ggggcggggg gggttgctgc aaggcagggt 180
tcatcaaaga gaactggttg tatggcagca attgttggtg ctgctgcagg aaggtagcga 240
ccaatgggtt agccactgcc aatggattaa gtaactgttg tcgctgttgt aggtaccag 300
caaagtttga cacagccagt tggttgaatg gaagcaactg ttgtaagtag gcagcagggt 360
ttgccacagc tagctgagtc agagctggta caatttggtg cagcaactgt tgttgtaggt 420
acctaggtgc attgcccacc gcgagcgggc taaatgaaaa tagttgtagg tagaccgcag 480
ggttcacat ggctagttga ctgagcactg gcataaactg ttgcagctgt tgggtgttgc 540
ggtttgcagc taccttcgcc aaacaagtgg gttggatg 578

<210> 8751
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B6

<400> 8751

ggacgccctt tttttggtgt gttgtcctta attctttatt ggtggtgtca acttacaaca 60
ctctttcttt cttattcttt ttttttccc cccccaaaa tgacatcaaa caacctccta 120
tcaatactgt ttttttttgt cttcaacaa aatttttttg gtttgaaaag gggcacatca 180
actcgccaac caaaacttcc tcgtaaatga atttatcccc caaaccctcg actttctgac 240
aagcctcttt ttccatgccg aagatcccc ttccctcaga tccaaaccat tacatgttct 300
ttttttggat acccataccc ccccccttt tttcccaaac cctcccttt tgtttgctat 360
cttcactatc agcgcaattc ccaccctat cttttaccct tcttccccgg gacccccctc 420
ttgaaccccc ttcattctct tgcccacccc cttttctccc a 461

<210> 8752
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B7

<400> 8752

cacattaata ctggaaatgt aacttcttat ttctggttgg ccacatacac tcatccaaaa 60
aactttatta ttgaattaca actaataagc aatctaaaag aggcaccacc aatgatgtgt 120
tgttggtagg aggccgctcg gtctgtcaaa gcaagttgga caaagggcaa caattgttgt 180
agttgtaaga gggttgcggg gttagccgca aactgctggt agaaaggcag caactgttgc 240
tgtgtcaaga aggaagcacg gtttgcgtgca gctagctggc taaatggtag tagtatttgc 300
tgctgcaaata aagcagcggg gttcagtgcg gccaatgggt taaatggaag aagttgttgt 360
tgctgaaagt aggcagtagc tagctggctg aatggt 396

<210> 8753
<211> 337

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-105-Q1-N6-B8

 <400> 8753

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 gcaggatgatg tcgggtgtggc gtcactcggg ggagcgcgac gcccgccaga tcgaattcca 120
 ttacgacctg tccgacgatt tctatgccct gtgggtggat ccgcgccggg tctattcctg 180
 cgcctattac cgcgagccgg gcatgaacct ggcgaggcc caggaagcca agctcgacca 240
 catctgccgc aagctgcggc tgcggccggg cgagcgcttt ctcgacgtgg gcgcgggctg 300
 gggcgggctg ttgctgtggg cggccgagca ctatggc 337

<210> 8754
 <211> 576
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-105-Q1-N6-B9

 <400> 8754

 agtataatct ttccattaaa caagcaaaact gagcacaaaa ctttgggtggg ttaattttgc 60
 aacccccact gggcctagcc atcaactcat acacgacgaa ggggccaaaa ttccacgaat 120
 cgtcgacgcc agtcacggc tcattatcct ccttggcttc atccccagcg tcttcgtctt 180
 caccatccgc ggcgtcctcc atctggtaat ccaccttgaa atcgtagtcc gcgtccatgt 240
 cgttcagcac actgaacctg ttgccttgc gccgtttctt ctctgctttc ctcttgcgag 300
 ggtcgagtat gccctcggcg gtgtacaact tgtcgttctg tgtgctggcg gtggctggct 360
 tgcttccttg tgggtcgttc gcgtcagaca tttgctctc ccggttttcc tgagcgggtt 420
 cacttggttt gctgccatcc tctagcatct ctttgtcaat tgccggtgga gcattaggag 480
 gaatctcaat atgatggaac tcctcaatgg acttcaaacc accaatatat gaagactcag 540
 ctttgtaaatt tcatcaata ttaaattctt tcccat 576

<210> 8755
 <211> 573
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C10

<400> 8755

ggtcgaaaacg ttattctttg catattacca tgcgggcata tacaggcacg aaagatttgg 60
ggtagtaatg tagaagaaag caaaaaaat gtcgatcctg taaactgcag ctaatcaatc 120
ctacaccacg ccggggggggg aatctcgttg tgttcacac cactgggttat ccttgctcga 180
tgtttgctgt ttactgctgc tactagcgt gtgtgttctc ctcttcccc tcagagcgag 240
ccttcgaacg agaccgcgag ctgcaccgcc ggctggggcc gctgctgcga cggcgcgctg 300
gccaggcctg ccagcatctt gaccacgtcc accgtgtcgt ccaggtagta cctggccatg 360
ctcggttct tgcccacgt gcacgcgaac acctcgtgc tggccggcag cttcacgccg 420
ctgttgaggg ccgggcacac gatgctctcg aacatgtcct cgtccgaccg gtcgtcgccg 480
atgcacagca cgaagtccg cggttcccc gtctcacca tcgacgacag gaggctgtcc 540
actaccacgc ctttgctgat gcctggggg tta 573

<210> 8756

<211> 546

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C11

<400> 8756

aaatagtga aactgcaaac agaaactcct tgatgttcag aatttttctt gtctggagaa 60
ggaaatcgcc acgggtcaat ttggcaactt catccttcca caatcactat atctacagct 120
acatgattgt tcgacacgca gtaacaagag aaaattcaaa cacttgccat gaagagtaac 180
ttccaggcga acagttaggt atggtatatt atttggtttc tctgctctgg tagttgccct 240
tgcccaatgc tgacctcaag tttggcgcca tcatgctgtt gtcttgatgc atccacagga 300
gagcctcaga gctgctggaa gcaaaatggg ttactatct cacattttgt ttggcccat 360
aaatttgttt tctctcagca ggtttcagaa tttggaagga acacatcaaa gtttcgtcaa 420
cgctcatcat tgcgccagca ttatcaaatt caccacaata attgggagcc gagaatatgg 480
tgacaagctg tctgtcagca aagaattcat accatcctc gacaacctga tgagcacgac 540
aaataa 546

<210> 8757
 <211> 153
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-C12

<400> 8757
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 caaaaaccnn anaggaaca naacnanaag aaacgaaagg gggcacaacc aacgggcagc 120
 anngaacnch ccggcnnatg gaggggggggg ggg 153

<210> 8758
 <211> 352
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-C2

<400> 8758
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 ccccttgggg gggccctttt aattgggaaa aaaaaaggg gcccccccaa aagggggggg 120
 cccaaggggg ggggttaaaaa aaaaaaaagg gggggggggg aaaaattggt gttcttctcg 180
 ggaaaaggga ccccccaagg ggggtcccccc cccaagggg aaaaaaacg ggggggcggg 240
 gggggggccc cccaaaaatt ttacaccacc ccggggggga aaggaaaaaa actgttttaa 300
 agaggacaaa ggggtcccca aaattggggg aaaaaaggg ggaaaaattt tt 352

<210> 8759
 <211> 549
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-C3

<400> 8759
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 acctaaaata ttctccaaat ttacacctta acaaaaattg gacccaatcc acagtttctc 120

ggtaacgtta caaccggggt tactatgcac ccaatccact gcttctcggg aatgttacia 180
 aatgactaag tatccattct tcaagggtcac ggatcattcc tccaagatg caccaagaat 240
 ggcaacacaa ctacagaaca ccatgctgat gagaaagcag aacctgaaag ctacatgcc 300
 tgatcttagt tgtgtgatgg aattggtagc ctgcgcttcc aagatttaac aaagaaatag 360
 cagccaaaca ttaacagttc agccccaaaa tttgcgcaca attgaataac agatatccac 420
 ctaaggatca atcagaacac aaatggagtc gaccgttgat gactgctgag gttgttgctt 480
 tgaaactgca gggcgcccc accaacctcc ctcccatt ttccagcaaa gcaaaaatgt 540
 ttgccaac 549

<210> 8760

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C4

<400> 8760

acagaaaaca tatatcaatt attgtataaa cctattaaaa ggttaaaacc aattttaatt 60
 tggaacagat ggagtacttt ttttcttttc atttcaattg ttcattcagg tcattgctca 120
 cactgacact gcctcggggg gggggcgctg acacattatt actcaatcat cgccgctaaa 180
 tgactcaact agctagctag ccagcggcta tactacagca catagtttct tcagtggggg 240
 acaccgccgg cggcagcgta ggggcatgga gtcggctgct gcaggcgca catcgccgctc 300
 agttgctgct ctatctgctc cgccaacagc cccgcgacct ggccgctttg cggtgctgct 360
 tgcgggatgg actggaggac caagccgaag atcgccctgg gccggtgctg cggtccacc 420
 tgccctgagct gctggcaaca ct 442

<210> 8761

<211> 531

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C5

<400> 8761

gagataaato tcaatcaata tattgattat ttctaggaaa cacatgccgg aatgagggca 60

ccattatcga gtacatctca tatgtaatct aaaaaatggc acctccaacg atgggggtgct 120
gcctcgacaa gacaggggtt atcaaagaga actgggttgta tggcagcaat tgttgctgct 180
gtaggaaggc agcgaccaat gggtttagcca ctgctagggg attaagtaac tgttgctgct 240
gttgtaggta cccagcaaag ttcgacataa tcagttgggt gaatggaagc agctgttgca 300
agtaggcagc aggggttgcc acaactagct gagtcagagc tgggtacaatc tgttgcaaca 360
attgttggtt caggtatgta ggtgcattgg ccacagcgag cgggctaaat gaaaacagtt 420
gttgctgttg taggtaggcg gcagggttca ccatggctag ttgactgaac gctggcaaaa 480
actgttgcaa ctgttggtgt ggctgggttg caactacctt tgccaaaaca a 531

<210> 8762

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C6

<400> 8762

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tttttttttt tggccccatt agaatttgga aatgtaactt tttttttctg ggggggccct 120
ttcttttagcc aaaaaacctc atttttgggg ttacagccaa agaggccatt ctaaaaaatg 180
ggccccggcc aagatttgtt tgttggaag aaaggcttct tggttttcca aagccagggg 240
ggcaaagggg cccaactggg gcccttgtaa gaggggtgcg ggggttgccc caaactggtg 300
gggtaaccga agcaaaggt ggtggttcaa aaaagaaagg ggggttggtg gtccttgctg 360
gccaagggg ggagggttg ctgctgggga aaaaccaggg ggg 403

<210> 8763

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C7

<400> 8763

ggccaaagct acactttgga ttgatcacag ccaagtcctt cccacagttc ggtgtccaag 60
aattattgtt cagcgtatgc ttgtttgaac aaatatttat ttcagaatca tattgtactc 120

ctggtgcaaa atcgtggggg tgacatgcac aatcttcgta gaaatcttct tgctcattag 180
 gtgttttcatt gtattcatat tctgggcttg gtggcatctc aacaattggc tcgcagctat 240
 ggatgggtgg tgtttcagta gtagtgctgc ttattgcaat ttgataccga tacatttggt 300
 gagaacttgg tgtgcaactc ccataagcaa ccatgcttgt ttgctgttct ccttggtcat 360
 gcttctctgg aagaggtagc gactttttgg caagtgaact attgtaatat ttacaacttg 420
 cactgaaagg acaagctccg cagtttggat ttttttccct gcaaactacc tttccaaa 478

<210> 8764

<211> 579

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C9

<400> 8764

aagtccacat tcaaattatt tgaatgatta taaatgtaga catacattca agctacattc 60
 acgagtacct gattaatgaa tgtaggttta gcctaaaatg aattacattt tgagacggag 120
 cagattaatg aatgtaggtt tagcctaaaa cgaattacat tttaagacgg acagagtaaa 180
 aagctagcag cgagttacaa atatataggg tgggtgcttt gattgcttcg tcattctctt 240
 accatgttgt aaagaatgat actatctacc agtcgtcaaa accatgtaac atatcagacc 300
 tcgacgaaat cgtcttcac c aatttcattt acccaactcga cctgtgagca agacgcggat 360
 ttcatcaact ccgtgaggcc ggtcaggctt tccaaatagg ttgggttcatt gattacttgc 420
 atcacgaaat ccatccctct cctccgatat tgatacaata ccgcatggga gcatgccgtg 480
 caattactcg aggaatagcc caacagggtt aatatgttgt actgcgatag tgatccacgc 540
 atctggtgag gtaaaaggcc gtgctcatga ccaactgcct 579

<210> 8765

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D1

<400> 8765

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ccattatcga gtacatctca tatgtaatct aaaaaaggca ccaccaacga tgggttgctg 120
ccacgacaag gcagggttca tcaaagagaa ctggttgat ggcagcaatt gttgctgctg 180
taggaaggca gcgaccaatg ggtagccac cgctagggga ttaagtaact gttgtcgctg 240
ttgttaggtac ccagcaaagt tcgacacaat cagttggttg aatggaagta gttgttgcaa 300
gtaggcagca gggtttgcca caactagctg agtaagaact ggtacaattt gttgcagcaa 360
ctgttggtgc aacaactgtt gttgcaggta tgtagggtgca ttgcccatag cgagcgggct 420
aaatgaaaaa aattgttgct gttgtaggta ggcgataggg ttcaccatgg ctagtgtact 480
gagcgtggt aaaaactgtt gcaactgttg ttgttggttg tatgc 525

<210> 8766

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D10

<400> 8766

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cggtgggttc cggtcccccc ctttttgggc ccaaagggg gggccccccc cggtggggggg 120
gggtcccccc cggtgggggg gccctcaaag ggaccggggg gttggggccc ctttgttgct 180
gctgtggggg gggtcccccc ctgggggtcc ccccccggg ggggttaagt cccgggggcc 240
cctgtggggg gcccccccca ggttcccccc ccccagttg ggtgatggga aatttttttt 300
cccggtgggc ccccggttt cccccctct gccgggaaag gccggggccc tttgggtgcc 360
cccccgggg gggcccccc gtttttccgg gtttttgggg gctttcccc tagcgggggg 420
gctttttaaa aaaatttttc cttttgtggg gg 452

<210> 8767

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D12

<400> 8767

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt ttttgggggg ggggggggaa aattttcaaa cctagagagc 180
 ccccggggaa aaaacaaaaa ggggggcctc tttcctgggg gggggccaaa aaacccaaaa 240
 gtaccccccg ggaaaaggaa aaaggctgcc cggaaaaaaa acatgggcct gaaaccttta 300
 gggggggggac ccggaggagg aaaccggttg ctggaaaaac cttttttccc ccaagggggg 360
 gcccgtaaatt tgggggggta ggggcaagaa aaaaaaaatt ccgtaacccc caacctttta 420
 aaagtggggg ggtaaaccac ccccccccca aaaaggctg agcgcaaaac aaaattcctt 480
 aagggaaaaa aaaagggaat tttaaggggc ccccccccg ttggggcccc taaaaaaatg 540
 gccaaaaaaa accagggggg ggggggttaa g 571

<210> 8768
 <211> 389
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-D2

<400> 8768

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 ttgaactata actcatagaa actaaagggg gcaccaccaa tgatgggttg ttggtagaac 120
 gctgctgggt ttgggagggg ggggtggttg aatggcagca attggtgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggttg aacggcaaca actgtggttg tntcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtgaataa 300
 gccggagagt tcaatgctgc cagttggttg aatggaagaa attgctgggg gtaggcagca 360
 ggttgctggc tgaatggtag ttgctgttg 389

<210> 8769
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D6

<400> 8769

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ggcagcttat aacagggcat actagcagca caaatgggca aggaacagca tgccaaacaa 120
 cgcattttgc gcccgaaacgc tgcacttcct gtaaagcggg ttttaccata ccaaggggtac 180
 acgatccatc gatgcaatac cattggaggt tcttggtttg taaacccaaa cccacccgat 240
 ctatatgaca aacccatcgg tgatgggtgc atttttaaaa aacaccacga ttccaaacct 300
 tatgtagtac cttttttccg ggggaacaac cttttggatg cccttactgt ttgggaacac 360
 cacgttcttc ccaatcctaa cattcatgtc aatgatacag gtccttatac tttgggttcc 420
 ttcctattcc aactgggacc ttccc 445

<210> 8770

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D9

<400> 8770

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 atcaatagtc acattgccat ttagatcaac tagtggggca aaaaactgat tatcattatc 120
 tatgggctcg ttctccaaat tatccaggtc atacacatct cttgctttag attgaacaac 180
 agcagcccac tcaatatcaa ttggatcagg aacatagtat acttggaactg cttgtgatgc 240
 tagaatgaaa ggctcatctg ataatttttc acctgtattg aacaagtgtc taaaattgac 300
 agatgtgata cctaactggt cagttttcac ccacttggtc tgcacacggt tgtcaacca 360
 atcacatttg aaaagcacga ccgtaccttt gtgggttatag tttagttcaa caatttcatt 420
 gataatacca aaataggctc tatttcctat tatgacatta tcattattac ccctgtcaaa 480
 gcttggtgac tctgcaacta caacaacccc actattttga atagatctac cct 533

<210> 8771

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E10

<400> 8771

gggggggggg gggtttttttt tttaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggggggg 60

ccttttggga aaaacccct tttgggaaaa aagggggggg ggaaaaaat tttttaagg 120
 aaaaaccccc aaaagtttg gggggggggg ggggtttttg gggggggggg ggggccaaac 180
 ccccaaatg ggggggggt tgggggcggg taaaaaaaac cccccccct tggggggggg 240
 ggggaaaaaa caaaaaaaaa aaaagggggg gggggggccc cccccgggt ttggggaaaa 300
 acccctttta aaaatggggg ggaaaaattt gggggcaaaa acccccaaaa aaaaaaaaaa 360
 aagggggggg aaaaaccggg gaaatttttg ggggtaaaaa aagggggggg gaaaaaggtc 420
 tccaaggggg gg 432

<210> 8772
 <211> 576
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-E11
 <400> 8772

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 gaatgagggc accattatcg agtacatctc atatgtaatc taaaaaatgg cacctccaac 120
 gatgggttgc tgcctggaca agacaggggt tatcaaagag aactggttgt atggcagcaa 180
 ttgttgctgc tgtaggaagg cagcgaccaa tgggttagcc actgctagtg gattaagtaa 240
 ctgttgctgc tgttgtaggt acgcagcaga gttagacata gtcagttggt tgaatggaag 300
 cagctgttgc aagtaggcag cagggtttgc cacaactagc tgagtcagag ctggtacaat 360
 ctgttgcaac aattgttggt gcaggtatgt aggtgcattg gccacagcga gcgggctaga 420
 tgaaagcagt tgttgctggt gtaggtaggc ggcaggggtc accatggcta gttgactgag 480
 cgctggcaga aactgttgca gctgttggtg tggttggttt gcaactacgt ttgccagagc 540
 aagtgggttt gatgcaagca actgctgttg caagta 576

<210> 8773
 <211> 561
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-E12

<400> 8773

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gttggtagaa cgctgttggg tttgtggggg ggggggggtg aatggcagca attgttgcag 180
ttgtaagagg gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actgttgttg 240
tgtcaagaag gcaacagggc tcacatcagc tagctggctg aatgggtgga gctgttgcctg 300
ttgtaaataa gcagcagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg 360
gtaggcagca gctagctgac tgaatggtag ttgttgttgc aaataagcag cagagttcaa 420
tgcagccagt tggttgaatg gaagaaactg ctgttgcctga gagtaggcag caaggtttcc 480
tagcacaagt tgtttagtct gttgtgcctt gatgttntgt gccacaaat gcacccaaag 540
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<210> 8774

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E2

<400> 8774

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tgctcacact gccacccatg gtgatgggtg aactccgtt actcatcgcc gctaaacgag 120
tgaactagct atagccctat aggtagctag tcagcggctc cattacatta ttactacagt 180
acatagtttc ctcatagta gacaccgccc gcagctgcgt tgcaagggca gggacctggc 240
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gccgcgagct cgccctgcgg ctgctgctgc aggaaggact gcaggaccac accgtatgtc 360
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gcctggcact gtggcgagcc gtagggcgct gccgcggggc tgcactggtg cctcaggaac 480
tcgacgcact ggcccaggaa cgggctgccg acgctgccga cgccgcagga tccgaactgc 540
tggcacgggc ttagctgc 558

<210> 8775

<211> 548
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E3

<400> 8775

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tttcagcaat tttgccatct aacctagttg gtacaacagg gcaaagagtt acgaagggtt 120
gttggtggggc ccaaaattct gagaaatcga aagcacaatc ggcaccttta cagacgcacc 180
cacgcaggaa gctttctacc agcaacagtc aagggggtga cgcatatcag agaactactc 240
gactacagcc aggtcctcat gggatgggag gctagttcag caacagtttg gtgagcaatt 300
catctttcgg tagagacact ccagcccga atgcatgctc aaggaccttt atccattcat 360
tcatgaggga ccccttcatt tgctgtatag cgggtgtactc ttgatccatg agtgaatcta 420
gtcctcaaaa gtgtttgatc ttgtattgca tcttttttag ctgagtttca attacagacc 480
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ctacacca 548

<210> 8776
<211> 567
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E4

<400> 8776

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gtagaacact gctaggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
taagagggtg ccagcgttag gcgcagcgtg ctggtagaac ggcaacaact gtggttggtg 240
caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
taaataagca ggagagttca atgctgccag ttggttgaat ggaagaaatt gttgggggta 360
ggcaacagggt agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa 420
tgcagctagt tgggttgaatg gaagaaactg ctgttgctga gagtaggcag caagggttgc 480

tagcacaagt tgttgtaagt tgttgtgccc ttgatgtttt gtgccaataa atgcacaaaa 540
 ggtaacttgc tgtaataggg ctgatga 567

<210> 8777

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E5

<400> 8777

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 acatgttatt agtaccgggt gacacagaaa aagaaaaact gagcgtgacg ggccgggtgtg 180
 atccatctcc atcgtcatct cctcactcag ttgtcaagtc ttctcctatt cactagcagg 240
 agaggacacc atcggagaca gcggcggtgg cgacagcagc gcggaggagg aggaggaggt 300
 gcacatgggc tcgtggacca cgggtgttgg ggagacagcg acggggctgg cgtccagctg 360
 cagcatgacg gcccgaagaa cctcggtcag cagcttcttg aactccgctt cgtccaccgc 420
 cctgaggtcg tcggctttcg ccattctgaa cgcctcgttc accacggcat ccacctgacc 480
 gacggccccc agaggcgga ggcccgccga atcggcgatc ctgtcgagcg cgat 534

<210> 8778

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E6

<400> 8778

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 ccgaaaaaca aaacgtgcc aataaatcaa tcctcaccac tgaattttta aaaaatgaag 180
 agaaaggaga cattattatc cccaccagat gaattaatag tgcgtgatct acattaccac 240
 acaccacatg gcaaacctac aggaggcata acagcagtct tgcccaggcc acagtaaggg 300
 taatcatctc tgactggatt cgacagtgcg caggttagct cctgtcattc cttcaagcct 360

gtccttcatt atatctacaa agtgaccaac catttcatgg aactgcttca aacccgagag 420
 cggaagatt atagacgaac gatcaactcc agccacctca gaaatcctca aataatggcc 480
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 catacccatg ccactaattt cttc 564

<210> 8779

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E8

<400> 8779

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 ctgcctcgac aaggacagga ttcatcaaag agaaccgggt gtatggcagc aattgttgct 180
 gctgtaggaa ggcagcgacc aatgggttag cactgccaa tggattaagt aactgttgct 240
 gctgtttag gtacgcaaca gagttcgaca tagttagttg gttgaatgga agcagctgtt 300
 gcaagtaggc aacaggggtt gccacagcta gctgagttag agctggtaca atctgttgca 360
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 gttgttgctg ttgtaggtag gcggcagggt tcaccatggc tagttgacta agcgttgga 480
 gaaactgttg cagttgttgt tgttgctggt ttgcaactac gtttgctaga gcaagtgggt 540
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<210> 8780

<211> 211

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E9

<400> 8780

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 gtogaaccct gttgggggga ggagggggg ttggttggtat ggcacgatt gttgcgggtg 180

taggaggggtg ccagcggtag ggcgagcgtg c

211

<210> 8781

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F1

<400> 8781

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caaccacaaa taaagtttaa gcggacacac cgcaccaact gacgataact ctccggcagca 120

actggggccag ccagcaactg cagcacactc aagactgaca acaaaccgct tagtccacct 180

cctcgatctt gggggccagg cgcgcgctgc cggcaggggc gtcctcgtcc atgccgccag 240

cgccgcccac gtcttcaccc gcgccctggt acatcttggc gatgatgggg ttgcagaggc 300

tctccagctc cttcatcttg tctcgaact cgtccgctc ggcgagctgg ttggcgtcca 360

gccagctgat ggccgcgtcg atggcgctct cgatcttctt cttgtcatcg gccggcagct 420

tggacgcaat cttctcg 437

<210> 8782

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F10

<400> 8782

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actttattat tgaattacaa ctaataatca atctaaaaga gggcaccacc aatgatgtgt 120

tgttggttagg aggctgctgg gggggggaaa gcaagttgga caaagggcaa caattgttgt 180

agttgtaaga gggttgcggg gttagccgca aactgcttgt agaaaggcag caactgttgc 240

tgtgtcaaga aggaagcacg acttgctgca gctagctcgc taaatggcag tagtatttgc 300

tgctgcaaata aagcagcggg gttcagtgcg gccaatgggt taaatggaag aagttgttgt 360

tgctgagagt aggcagtagc tagctggcta aatggtaata gttgttgctg caaataagca 420

gcaggggttca gtgtagacag ttgggtgaat ggaagaaatt gttgttgctg agagtaggga 480

gaaaggtttg ccagagctac ttggttgatc acaggtagca cgagttgctg cagctgttgt 540
gccctgatgg tttgtaccaa tgactgcacc a 571

<210> 8783

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F11

<400> 8783

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agtctctgct cctgcgcgga acgtcggggg tacatagcac agttgagcaa aaaaaagtat 180
gttcgtcttc agcgtagcat cttaagcggga cttcacgggtg gccgcgttga tgatgtcgat 240
gaactcaggc ttcaaagaag ctccaccgac aagaaaacca tcgacatcag gctgtgctgc 300
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ctgagctggg gtggcaactt taccagttcc aatagcccaa actgggttcac aggcaacaac 480
tacgttgctc cagtccttga tcttctcagc aattgctttt gtttgtgcag caacaacatc 540
catggtagac cc 552

<210> 8784

<211> 544

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-N6-F12

<400> 8784

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tttgggtttt ttcnggtttt tgttttgggt tcgcccgggg ggttgggggt cttttcgttg 180
tttttggggg gttgtggggg nacttggggg ggtgggtggt ttgtgggggg gttcttggtt 240
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ggggggtcctg gttgttgccg ttgggggggtg ccctttgggg gtgggtgttg gggttgttgg 360
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 ctcccgtttt tttgtggggc ccgggggttg gggtttttgt ggctggtttg ggggggggtg 480
 tgggtgttggg tggcgtggct tttgggtggg gtgggtggggg ttgccggggg ttgggttttg 540
 gggt 544

<210> 8785

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F2

<400> 8785

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 attgcatatt tctgagtcca gtccttagca gtagattcgt acttcacgcg atcagtcttg 180
 tccaagtgag caatctctgg gaccaacgga tcgtcagggt ttgggtccgt cagaagggaa 240
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 tcaagacaga tgctcccgtt gctgttgata ttcgggtggg aaaccttcgt cttgaatgca 360
 accttcgggtg gtttgaatgg gtagtccggt ggaaagtga ttgtgaccaa aaatacgcca 420
 ccagcgtatg ggctatctgg tggcccccta atcg 454

<210> 8786

<211> 476

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F3

<400> 8786

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 cacagagcga ctttcaatca aaaacacaga tgggcaacac caaacacgag acgaacgaag 180
 ataaacactc tggactaggg taaacaacac ggtagcaaac aggataactt ggccgcgcgg 240

gccccaccgt tcagttcctc cagttcccgt cggagttgcc gtaccccccg ccacggttgc 300
 caccgccgta gccgcccga ccaccaccgt agccgcccgc gccaccaccg tagccgcccgc 360
 caccgccgta gccgcccgcg ccattacggg gcccgccacc gccgtagccg ccgccttcac 420
 ggccaccacc gtacccgccc ccgcccgcgt cttcacggcc gccgggggac tggccc 476

<210> 8787

<211> 523

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F4

<400> 8787

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 ctctgcggtg tcgtacacca cgtagcccag gaagatgagc agcccgaagt agacctcgaa 420
 catgaagctg gttgcggagt ggccgaagat ggaggcggcg agctgcagcc agagcaggat 480
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<210> 8788

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F5

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 gctcaagggg gggtttataa aaaaaaacg ggtttttggg aaaaattttt tttttttttt 180
 caaaaaaggg ccccccaag gggttcccc cccccaaggg ttaaaaaaac tgtggccctt 240

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aaaggcaaaa gggtttcccc caattttgtt aagaaaaagt gggcaaaatt tgtggaaaaa 360
cctgttgtgg aaggcccaag gggcctttcc cccccggggg gggttaaaaa aaaatatattt 420
ttgggaaaaac ggggggtt 438

<210> 8789

<211> 536

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F6

<400> 8789

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taagaagttt gacttgtttg ggattcaaac tcactcaatc tcaactcaatc tacatggatt 180
gagagctaac cgaacgagcc ctaactagtt gaaagcaccg ggatcctggc caagcagcct 240
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gcaaaacagt ctcagcctgc cgcttccatg gacgagaatc aggtccaggc tgccgctcgtc 480
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<210> 8790

<211> 555

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F8

<400> 8790

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ctgttgggtt tgtcaagagg ggggtggggg aatggcagca attgttgagc ttgtaagagg 180
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aatagggctg accgt 555

<210> 8791
<211> 553
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-N6-F9
<400> 8791

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gttgcaagta ggt 553

<210> 8792
<211> 523
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-N6-G1
<400> 8792

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 ctgttgcaag taggcaacag ggtttgccac agctagttga gtcaaagctg gtacaatctg 360
 ttgcaacaat tgttgttgca ggtatgtagg tgcattgccc acagcgagcg ggctaaatga 420
 aagcagttgt tgttgttgta cctaagcggc agggttcacc atggctagtt gactgagcgt 480
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<210> 8793
 <211> 583
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-G10
 <400> 8793

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<210> 8794
 <211> 595
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-G11

<400> 8794

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ctcatctgct gctggcagca ctgttgccgg agcggctgga acatggcgct cggctgcccc 480
caccggcgct agtagggcgc cgccgccagc gggctgcact gcggctgcct caggtactcc 540
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<210> 8795

<211> 541

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-N6-G12

<400> 8795

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atgggtcaagg aacagcatgc cagacaacgc atcttgccgc cgaacgctcg acttcctgtc 180
aagcggtctt taccatacca aggttacacg atccatcgat gcaataccat tgtaggttct 240
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gatacagttc cttatctttg tgttcttcc tattccaact gggaccttcc cagctaacag 480
tagctttgaa gcttcttctt cagtttcata ggtgtccgct cccatcatca cggagtcctt 540

g

541

<210> 8796
 <211> 564
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G3

<400> 8796

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aggaggccgc tcggtctgtc aaagcaagtt ggacaaaggg caacaattgt tgtagttgta 180
agaggggttgc ggggttagcc gcaaactgct ggtagaaagg cagcaactgt tgctgtgtca 240
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aataagcagc ggggttcagt gcggccaatt ggttaaattg agaagttgt tgttgctgag 360
agtaggcagt agctagctgg ctgaatggta atagttgttg ctgcaaataa gcagcagggt 420
tcagtgtaga cagttgggtg aatggaagaa attgttggtg ctgagagtag ggagaaaggt 480
ttgccagagc tacttggttg atcacaggta gcacgagttg ctgcagctgc tgtgccctga 540
tggtttgtac caatgactgc acca 564

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<210> 8797
 <211> 280
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G5

<400> 8797

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aaaagagggg gggcccaaca aggggggggg ggggagaaaa aaaagggggg ggggaaaaaa 180
aaaggggggg aagggaaaaa aaagtgggag ttgaaaaaag ggccaaggga gaagggccaa 240
aaggggagga aaaaaaaca aaaggggggg ggtagaaaaa 280

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<210> 8798
 <211> 484
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G6

<400> 8798

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caattgttgc agttgtaaaa gggggcccg cgttaggcata acgtgccggt aaaacggcaa 180
caactgttgt tgtgtcaaaa aggcaacagg gctcacatca actaactggc tgaatgggaa 240
taattgttgc tgctgtaaat aaacagcaaa gttcaatgct gctagtgtgt tgaatggaaa 300
aaattgctgg gggtaggcaa caactaactg gctgaatggg aattgttgtt gcaaataagc 360
agcaaagttc aatgcccccc gttggttgaa tggaaaaaac cgatgttgct gaaagtattc 420
aacaaggttt gctagcacia gttgttgtaa ttgttgggcc ctgatgtttt gtgcccccca 480
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<210> 8799

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G7

<400> 8799

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aggaggctgc tgggtttggc aaagcaagtt ggacaaaggg caacaattgt tgtagtgtga 180
agagggttgc ggggttagcc gcaaactgct tgtagaaagg cagcaactgt tgctgtgtca 240
agaaggaagc acgacttgct gcagctagct cgctaaatgg cagtagtatt tgctgctgca 300
aataagcagc ggggttcagt gcgccaatt ggttaaattg aagaagttgt tgttgctgag 360
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tcagtgtaga caagtgggtg aatggaagaa 450

<210> 8800

<211> 484

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G8

<400> 8800

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gccacgacaa ggcaggggtc atcaaagaga actggctgta tggtagcaat tgttgctgct 180
gtaggaaggc agtgaccaat ggggttaggca ctgctagtgg attaagtaac tgttgctgct 240
gttgtaggta cgcagcagag ttcgacacag tcagttgggtt gaatggaagc agctgttgca 300
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attgttggtt caggtatgta ggtgcattac ccacaacgag agggctagat gaaagcagtt 420
gttgctgttg taggtaggcg gcagggttca ccatggctag ttgactgagc gctggcagaa 480
actg 484

<210> 8801

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G9

<400> 8801

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gggggtgtat ccatccctac acacctatat tgccgcacaa actgagacgt cctggatttt 180
attcatgtat cagaacgtcc tacatgatcc atagtgtgca ccgcatgctt cacatgagta 240
cttacgatat accaacgact gagcatgatt gtattggaat agctagctag tatatatact 300
actgcccgtc aataacggca gcgcggcatg ggcagggtgc agatggcgaa aagcctcgcc 360
gcgttggggc tgcggatgta gctcccgtag ttggggctgc gcgcgtaccc gcacaggcac 420
ccctgctgcy ccgcagctg cgcgcagcac gccggcgga ccgcgcgcgc gaacagggcc 480
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gtgg 544

<210> 8802
 <211> 556
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-H1

 <400> 8802

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cggtgttggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag 180
ggtgccagcg ttaggcgcag cgtgcaggta gaacggcaac aactgttggt gtgtcaagaa 240
ggcaacaggg ctcacatcag ctagctgggt gaatgggtgt agctgttgct gttgtaaata 300
agcagcagag ttcaatgctg ccagttgggt gaatggaaga aattgctggg ggtaggcagc 360
agctagctga ctgaatggta gttgttggtg caaataagca gcagagttca atgcagccag 420
ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttc ctagcacaag 480
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taatagggct gacggt 556
  
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<210> 8803
 <211> 575
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H10

 <400> 8803

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atgggttgct gctcgcagag gacaggattc atcaaagaga actggttgta tggcagcaat 180
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agctgttgca agtaggcaac agggtttgcc acagctagtt gagtcagagc tggtaacaac 360
tggtgcaaca attgttggtg caggtatgta ggtgcattgc ccacagcgag cgggctagat 420
  
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gaaagcagtt gttgttggtg tacgtaggcg gcaggggtca ccatggctag ttgactgagc 480
 gttggcagaa actgtttag ctgttggtgt tgctgggttg caactacgtt cgccagagca 540
 agtgggttg atgcaagcag ctgctcttgc aagta 575

<210> 8804
 <211> 568
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-H11
 <400> 8804

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 tgctgcaata aggtgggggg ggggggcaaa gcaagttggt taaatggcag caattgttgt 180
 tgttgtaaga aggcgacatt gtttccaca tcctgtgggt agaatggtag caactgttgc 240
 tgttgcaaga aggcgttaat gtttccaca acctgtgggt aaaatggcag caattgttgt 300
 tgttgttgca agaaagcagc aatgtttgcc acaacttgta gatggaatgg aagcaactgt 360
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 gcctgcaagt aagcagcagg gttcaccca cctagttgat tgaatggaag aaattgttgt 480
 tgctggaggt aagcagcaag ggctgctgca actacttgat tgattgttgg aagcaactgt 540
 tgggtgtagtt gttgtgctgc gattcttt 568

<210> 8805
 <211> 544
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-H2
 <400> 8805

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 gtaccctccc agactagacc aataggacac tatctcaaca accgacacca catccatcct 180
 acaatcctcc agtatacggg aacataagta aactaggaat aggaaaactt tgggtacggag 240

ctaatagacat catgggcaca aatgtacaca taaggaaggt atcgccagtgt gtggatgctc 300
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<210> 8806

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H4

<400> 8806

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 gactcaacta gctagctagc cagcggctat actacagcac atagtttctt cagtggggga 180
 caccgccggc agcagcgtag gggcatggag tcggctgctg caggccgcac atcgccgtca 240
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 gcaggatgga ctggaggacc aagccgaaga tcgcctggta ccggtgctgc ggctccacct 360
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<210> 8807

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H5

<400> 8807

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 ttgggggggg ggggggtggg ggtttgtcaa aggagggggg gcaaagggga acaatggggg 180

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<210> 8808

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H6

<400> 8808

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 aataagcagc ggggttcagt gcggccaatt ggttaaattg aagaagttgt tgttgctgag 360
 agtaggcagt agctagctgg ctgaatggta atagttgttg ctgcaaataa gcagcagggt 420
 tcagtgtaga cagttggttg aatggaagaa attgttgttg ctgagagtag ggagaaaggt 480
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<210> 8809

<211> 135

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H7

<400> 8809

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<210> 8810
 <211> 540
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-A6

<400> 8810

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<210> 8811
 <211> 666
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-A8

<400> 8811

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ggcatcaggg gcagtgcaag ggtccaggtc gccagcgaca acgggaccac ggtgttcgac 540
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gcgcagggag aaggcttcca gtacatcgcc ttcgagacga accctgacac catggtcagc 660
cacgtt 666

<210> 8812
<211> 674
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-A9
<400> 8812

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actccaacgc cctc 674

<210> 8813
<211> 653
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-B1
<400> 8813

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 tcctatagct tcctttcttc ccccgtaoct ctcaccaacg gtgtcttcgg tatgtgaaaa 180
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 tttgcaacaa caacaactac cattcagcca gctatctgct gcctaccccc agcaatttct 480
 tccattcaac caactgacag cattgaactc tcttgcttat ttacagcagc aacaactact 540
 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacagttggt 600
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<210> 8814

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-B3

<400> 8814

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<210> 8815
 <211> 298
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-K6-B5

<400> 8815

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 tgggtcttgt gtgtgcgtat tgcgtgtgat ctttagagtc gtgcttattt gctggtcagt 180
 tcgttgctct ntaattctct gtgaacataa aaagtaaggg cgagaggctc caagttgtgg 240
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<210> 8816
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-K6-B7

<400> 8816

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 atcatctaca acagcttgtg ctaggaaacc ttgctgacta ctctgagcat cagaagaggg 180
 tgggattcga ccaactggct gcctggaact ctagctgctt atgctgcaca acgactacga 240
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<210> 8817
 <211> 674
 <212> DNA
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<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-K6-C1

<400> 8817

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ttcttgtaga cagacaggcg gctgcagctg tgggtcaacaa caaagccatg agcagcagcg 180
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gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc catgagcaac 480
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atcagcaggg ccaggaaaaa tcacaacagc aacaatgtca ttgccaggag cagcaacaga 600
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<210> 8818

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-C10

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gccaaacttg tcaagggtgac accatagaca gggccactcc aaagcttata gaattgtttg 180
aaggccccac tcatgtggtg cagattgcag ccggcgcaag ctacactttt gctgtaacag 240
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cagaattgat cggcagcttg aagggccaag ttgctgtgca ggtatgtgca aggaagagga 540
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<210> 8819
<211> 506
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-106-Q1-K6-C11
<400> 8819

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gagaacacta aggtggctgt tgagagtggg gctgtgcgcc tgtgcccac tttgtcaagc 180
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ttgntatgtg attgtgtgtg agataa 506

<210> 8820
<211> 648
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-C2
<400> 8820

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tcattattcc acagtgtcga cttgtccta gtgccattat tccacagttc ctcccaccag 180
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<210> 8821

<211> 657

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-C3

<400> 8821

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ttaatgctgt tcctagtcct atagatgata ttggggcttc atcctcagct cctagacct 600
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<210> 8822

<211> 121

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-C4

<400> 8822

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<210> 8823
 <211> 618
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-C8
 <400> 8823

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 ccacattgca cttgctcagg aaggccactg ccgaccaggc gaggttctcc tgggtactga 180
 ttctcatacg tgcaatgctg gagcctttgg tcaatttgca accggaattg gaaacactga 240
 tgcaggtttt gtgatgggca ctggaaaggc tcttctcaag gtgccaccta ctatcaggtt 300
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<210> 8824
 <211> 497
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-C9
 <400> 8824

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gggctgctgc ctacttaca cagttgcttc cattcaacca actggctgtg tcaaactctg 240
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<210> 8825
 <211> 640
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D1
 <400> 8825

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<210> 8826
 <211> 392
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D10
 <400> 8826

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 gcgtgccgcc aggtcctcga ccggcagcta accggcgggc gcggcgggcg cggcgttggc 240
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<210> 8827
 <211> 671
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-K6-D3
 <400> 8827

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 cagcagcttg atgtccgctg cgaacaaaag acaaaggata atgtcttcgt caatgttgtg 480
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 aacaccaggg agcaaaccga gtcatatgtt tttgatgtca tcagggcaag tgttccgaag 600
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<210> 8828
 <211> 75
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D5
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<210> 8829
 <211> 648
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D8
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<210> 8830
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-E1
 <400> 8830
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<210> 8831
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 <212> DNA
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 <223> Clone ID: LIB3061-106-Q1-K6-E10
 <400> 8831

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 tgc 663

<210> 8832

<211> 661
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 <213> Zea mays
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<223> unsure at all n locations
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cgctggtcgc tccacattgc acacctgttc ttgttgattc tggggaaggg aggagcaaaa 420
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<210> 8834

<211> 491

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-F3

<400> 8834

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<210> 8835

<211> 676

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-F5

<400> 8835

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<210> 8836
 <211> 631
 <212> DNA
 <213> Zea mays
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<210> 8837
 <211> 659

<212> DNA
<213> Zea mays

<223> unsure at all n locations
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ggtgctcaac cgtcccgccc tcagcctcat cccagccac acctatgccc gtgccaacag 240
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<223> Clone ID: LIB3061-106-Q1-K6-G3

<400> 8838

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aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480
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<210> 8839

<211> 516

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-G4

<400> 8839

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 atcgcgttgc tgggtggcgga gcagttcgag aagacggcaa ggcgagggcg ccccgggcggg 180
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 gtgtggagct cttgggtgga gtccgcctcc gccgcgcgt cgggggtcag attcaccgtc 300
 gcggtgcagc tggagcccaa gaccgggctc gcgctggcgc ccgcccagcg cctcttctcc 360
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 ctctgcacc ccgtactatg tttgtgcgac ctgtacattt cgttcgtcgt tgcgcgggtg 480
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<210> 8840

<211> 159

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-K6-G5

<400> 8840

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<210> 8841
 <211> 580
 <212> DNA
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<400> 8841

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<210> 8842
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 <223> Clone ID: LIB3061-106-Q1-N6-A11

<400> 8842

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gcagggttca cccagctag ttgattgaat ggaagaaatt gttgttgctg gagataagca 480
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<210> 8843
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<212> DNA
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<211> 542
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-N6-A6
<400> 8844

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acagcacata gtttcttcag tgggggacac cgccggcagc agcgtagggg catggagtcg 180

gctgctgcag gccgcacatc gccgtcagtt gctgcgctat ctgcgccgcc aacagccccg 240
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<210> 8845
 <211> 191
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 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-N6-B11
 <400> 8845

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 aataaggtgg ttgggggggg ggggggatgt tggctaaatg gtagcaattg ttgttggtgt 180
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<210> 8846
 <211> 536
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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<210> 8847

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B7

<400> 8847

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 ggcaaaggat taagtgactg ttgaaactga tgtgggtacg cagcagaatt cgacatagtt 240
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 gttagagctg gaacaatctg atgcaacaat tcttgttgaa ggtatgtagg tgcattggcc 360
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<210> 8848

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-C10

<400> 8848

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tggcctcttg gccttgaggt caaccactag gcgcgcgaat tggatatgtct tcgataactct 300
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 ctcgctcggt gtccccgaac ccgaatacaa tgcccttatt tgtcactgcg acagtgtgat 420
 acagtccggt gcttatttgg gagacgtagt gatcctgcag gctctcaaga acgcggggcc 480
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<210> 8849

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C11

<400> 8849

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<210> 8850

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C2

<400> 8850

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<210> 8851

<211> 300

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C4

<400> 8851

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cgcgcgggat tggtaggtgt tgcctcccc ttacgggttc ggcccgggcg ttccggccgt 240
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<211> 536

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D1

<400> 8852

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<210> 8853

<211> 75

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D5

<400> 8853

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<210> 8854

<211> 584

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D7

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gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tatcaagaag 240

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gcaggagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360

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agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480

agttgttgta gttgttgtgc cctgatgttt tgtgccaata aatgcaccaa aggtaactga 540

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584

<210> 8855

<211> 507

<212> DNA

<213> Zea mays

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<400> 8855

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cctgttgggt ttgtcaaagc aagttggttg aatggcagca attgttgagc ttgtaagagg 180

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gcaacagggc tcacatcagc tagctggctg aatggtggta gctgttgctg ttgtaaataa 300

gcagcagagt tcaatgctgc cagttggttg aatggaagaa attgctgggg gtaggcagca 360

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<210> 8856

<211> 229

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 8856

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<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations
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<210> 8858

<211> 585

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F3

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585

<210> 8859

<211> 585

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-F8

<400> 8859

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<210> 8860

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F9

<400> 8860

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<210> 8861

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-G12

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 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
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 cgctatctgc gccgccaaca gccccgcgac ctggccgctt tgccggctgct gctgcaggat 300
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 cgggctgcac tgatgcctca gaaactcgac gcaactggccc aggatcgggg tgctgccaac 480
 gccgcaggtt ccctgcagct ggcacgggct tggatgcggc tggtggcacg ggcattgggtg 540
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<210> 8862

<211> 497

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G4

<400> 8862

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gaagcaggac gctaggcgga gaagaggccg tcggcgccgg ccagcgcgag cccggtcttg 180
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 acccaagagc tccacacctt ggccacggcc ccgaagtcc tcgtctcgcc gccggtcccg 300
 ctgtcgctac cgctgtcccc gccggggggcg cctcgcccttg ccgtcttttc gaactgctcc 360
 gccaccagca acgcgatgtc cgccatcctc tctctcgat ctgctgggct cgctgacgac 420
 gatctcactc tgctcttgtc ggttggtgct ctgctctagt gctctggtga ctgtggaagc 480
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<210> 8863

<211> 136

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G5

<400> 8863

ggttggtggtg tttttttttt tggggtgggc tttggctggt ttgggaaaag gtagtttggt 60
 tgtttgaggg ggaagtatct aagggggggg gggggggggt ttataaaatt ttaataaaaa 120
 aatgggggtgg gggggg 136

<210> 8864

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-H1

<400> 8864

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 tcttgcgctc cccccctttc ggggttttcc ggggggggtn cccccctctt gtgtttctcc 180
 cccccctttt cgcacctggc cccccgggt tttttttggg ggtttggggg gcqccccccc 240
 cccctctgtg ggtggctttg ggctcctgcc ctggttgccc cccccctctt ggtgcctggg 300
 ggggggtccc cctccccctt ggtggggggg gtgcgcccc cctggtttct tgcgggcccc 360
 tgggtcccc cgggtttccc ggccccgtcc ccctgtgggc tccccctttt cttttttttg 420

gggttttttg

430

<210> 8865

<211> 107

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-H11

<400> 8865

agaatctaga aaagtacttt cttatttctg ggacgccaca aacatcatcc aaaaacttca 60

ttattgaact ataactcata agcaatctaa aacagggcac caccaat 107

<210> 8866

<211> 587

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-H6

<400> 8866

catccaaaaa atttattatt gaattacaac taataagcaa tctaaaagag gcaccaccaa 60

tgatgtgttg ttggtaggag gctgctgggt ttgtcaaagc aagttggaca aagggcaaca 120

attgtttagg ttgtaagagg gttgcggggt tagccgcaaa ctgctggttag aaaggcagca 180

actgttgctg tgtcaagaag gaagcacggc ttgctgcagc tagctggcta aatggtagta 240

atatttgctg ctgcaaataa gcagcgaggt tcagtgcggc caattgggta aatggaagaa 300

gttgttgttg atgagagtag gcagtagcta gctggctgaa tggtaatagt tgttgctgca 360

aataagcagc aggggttcagt gtagatagtt ggttgaatgg aagaaattgt tgttgctgat 420

agtagggaga aaggtttgcc agagctactt ggttgatcac aggtagcacg agttgctgca 480

gctgctgtgc cttgatgggt tgtaccaatg actgcaccaa agatagggct ggcgattgtt 540

gaaacaaggg tgataaaggt atgttgcttg ctgcgattgc ttgttgg 587

<210> 8867

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A10

<400> 8867

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ctgtcgggtg aggccgctgg cgcggcgctcg tcgtcggcct cggcctcggg gctcaacggc 180
gccgtggact ggtggcgcgga cgtcaacgag tcgccgctgt ggcaggaccg catcttccac 240
gcgctcgccg tgctctacgg catcgtctcc gccgtcgcgc tgggtccaatt gatcagaatc 300
gagtgcaggg tgccagagta tgggtggacg acgcagaaag tggtccattt cctaaacttc 360
ctcgtgaacg gcgtgaggtc tgccgtgttc gtgctgcggc ggaatgtgca actcgtagag 420
cctgagataa tacagcatgt gttctagat atgcctgggc ttgcattctt cacaacatat 480
gcacttctag tgctcttctg ggcagagatt tattatcagg cacgtgcaat gtccactgat 540
gggcttagac caactttcta ttggatcaat agcgtgggtt atgcaattca gataatcctn 600
atggttggtt ttgtggtngg aaaccagttc gaattatggt catcttgtca aaa 653

<210> 8868

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-A11

<400> 8868

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acaatcgcca gccctatctt tgggtgcagtc attggtacaa accatcaggg cacagcagct 120
gcagcaactc gtgctacctg tgatcaacca agtagctctg gcaaaccctt ctccctactc 180
tcagcaacaa caattttctc cattcaacca actgtctaca ctgaaccctg ctgcttattt 240
gcagcaacaa ctattaccat tcagccagct agctactgcc tactctcagc aacaacaact 300
tcttccattt aaccaattgg ccgcactgaa ccccgctgct tatttgacgc agcaaatact 360
actaccattt agccagctag ctgcagcaaa ccgtgcttcc ttcttgacac agcaacagtt 420
gctgcctttc taccagcagt ttgcggctaa ccccgcaacc ctcttacaac tacaacaatt 480
gttgcccttt gtccaacttg ctttgacaga ccgagcggcc tcttaccac aacacatcat 540

tggtggtgcc ctcttttaga ttgcttatta gttgtaattc aataataaag ttttttggat 600
 gatgtatgtg gcccaaccag 619

<210> 8869

<211> 606

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-B1

<400> 8869

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 atattgtcaa ggacacaagg gatagaggtt gttttttaaa tgccactgat gagaaggagt 120
 tgttgaatgc aattttcaag cttgctgttg agtatcctca cgcggaacaat ttagctggcg 180
 aggagacaag gcagcgattg agtaccagga tgagtctatt caatgtcgct gaggcaacaa 240
 ttacaagatc ctagaagaaa acccgtggca gctctacact acaataaggg tgataaatat 300
 gtctcgccca atggaagata tcatatntag acatgatcaa ggtagcaaga tgttgacccc 360
 atgggtcctt ttggtggaat aatgatagag tgcggcacca atcaacctat tgagaaaatg 420
 ctttcaactt gaaaaatccc ccccggggtt tttttcaatt ttttaaaagg gtgcccccaa 480
 aagagttttt tttttttccc cccccctt ttttttttg ggtgtttctt ttgttctctt 540
 ggttggtttt tttccctttt tttcttttc tctctttttt ggtttggttt tttttttttt 600
 tgtctt 606

<210> 8870

<211> 632

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-B10

<400> 8870

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 gtgcatctcg atccacatcg gccaggccgg tatccaggtc ggaaacgcgt gctgggagct 180
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gggaggtgat gatgctttca acaccttctt cagtgagact ggcgctggga agcacgtccc 300
 ccgtgctggt tttgttgacc ttgagccac tgtcatcgat gaggtgagga ctggcaccta 360
 tcgccagctc ttccatcctg agcagctcat cagtggcaag gaggatgcag ccaacaactt 420
 cgctcggtg cactacacca ttggcaagga gattgttgac ctgtgccttg accgcatcag 480
 gaagcttgca gataattgca ctgggtctcca gggcttctc gtcttcaacg ctgttggtgg 540
 aggaacgggc tctgggcttg gttctctct cctggagcgc ctgtctgttg actatggcaa 600
 gaagtccaag ctcggtttca ccgtgtaccc at 632

<210> 8871
 <211> 584
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-K6-B3
 <400> 8871

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 agaggatgac gcaaggaagt acttccagca gctgatcaac gctgtcgatt actgccatag 120
 ccgagggcgtc taccaccgcg atctcaagcc tgaaaatctc ctgcttgatg ctagcggcac 180
 gctcaagggtt tcggattttg gactgagcgc actatctcaa caagtccgag aggatgggtct 240
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 ctatgatgga gctaaggctg atctgtggtc atgtggagtg attctctttg tcctcatggc 360
 ggggtacctc ccatttgaag attcgaacct gatgtcgctc tacaagaaga tcttcaaagc 420
 ggatttcagt tgcccgtcct ggttctccac aagcgcaaag aagctcatca agaagatact 480
 tgatcctaata gctaacaata gaataactat tgcagagctc attaacaacg agtgggttcaa 540
 gaaggggtat cagcctccca gatttgaaac agcagatggt aatc 584

<210> 8872
 <211> 654
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-B4

<400> 8872

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tccttatgct ccttggtctt tctgcaagtg ctgctaccgc gaccattttc ccgcaatgct 120
cacaagctcc tatagcttcc cttcttcccc catacctctc accagcggtg tcttcagtat 180
gtgaaaaccc aattcttcaa cctacagga tccaacaggc aatcgagca ggcattctac 240
ctttatcacc cttgttcttc caacaaccgt cagccctatt acagcagtta cctttggtgc 300
atttggtggc aaaaacatc agggcacaac aactacaaca acttggtgta gaaaaccttg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ctaccattca gccaaactagc tgttgctctac cccagcaat 480
ttcttccatt caaccaacta gcaacattga actctgctgc ttatttaca cagcaacagc 540
taccaccatt caaccagcta gctaattgta gccctgctgc cttcttgaca caacaatagt 600
tgttgtcggt ctacctgcac gctgcgcta acgctggcac cctcttacac tgca 654

<210> 8873

<211> 627

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-B5

<400> 8873

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tacttgcaac agcagctgct tgcattcaac ccacttgctc tagcaaactg agttgcaaac 120
cagcaacaac aacaactgca acagtttctg ccagcgttta gtcaactagc catggtgaac 180
cctgcgcgct acctacaaca gcaacaactg ctttcatcta gcccgctcgc tgtggccaat 240
gcacctacat acctgcaaca agaattgttg caacagattg taccagctct aactcagcta 300
gctgtggcaa accctgttgc ctacttgcaa cagctgcttc cattcaacca actaactatg 360
togaactctg ttgcgtacct acaacagcga caacagttac ttaatccatt ggcagtggct 420
aaccattgg tcgctgctt cctacagcag caacaattgc tgccatacaa ccggttctct 480
ttgatgaatc ctgtcttctg gaggcagcaa cccatcggtg gaggtgcat cttttagatt 540
acatatgaga tgtactcgat aatggtgccc tcataccggc atgtgtttcc tagaaataat 600

caattattgg ttgagattta tctcgat

627

<210> 8874

<211> 624

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-B6

<400> 8874

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gacacgtact tctccgccga ggcccccgac gtgccgtcca tgggtgctccc catctcgac 180

gacttcgacg gcttccaggc ggccaccaag gatatgggtga agaataagaa ggggacgacc 240

acgcttgccct tcatcttcga caagggcgct atcgctgccg ctgattccag ggccagcatg 300

ggcgggttata taccctcaca aaccgtgagg aaaattattg aaataaatcc ttacatgctg 360

gggacaatgg ctggagggtgc tgctgattgc caattttggc ataggaacct aggaaccaag 420

tgctcgtctcc atgagctttc aaacaagcga aggatctcta ttgctggtgc ttccaaactg 480

ttggctaaca tcctttattc atatcggtggg atgggactgt cgattggtac aatgatcgct 540

ggatgggatg agaagggctc tggcttgtag tatgttgaca gtgaggggtgc gcggctcgtg 600

gggaacagtt ctctgttggc tctg 624

<210> 8875

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-B7

<400> 8875

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cagctgtttg ggaacgggat gccggtgccg ttctacggcg agatgttcgt cctcgtccgc 120

gacggcgtcg agttccacgt cgacaagatc ccgtcagctc ctggagggtca tgtgaaaaca 180

aaaggcaciaa ttacctgtc caatataagg atggtgtttg ttgccagcaa gcctgttggc 240

aacttctttg cttttgatat gccactgttg tttgtgcatg gtgagaagtt caatcagccc 300

atatttcact gcaacaacat ctctggattc gttgaaccag tcgttccaga caatcagaac 360
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 cagtctgctg ctaacatggc accgcgtgtg gatcctctgc aagccgcgca gactcctgtc 540
 gatgatatga tgcgtcatgc gtatgttgac ccaaagatgc ctaccaagat ttaccttcag 600
 caacctgccc 610

<210> 8876

<211> 606

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-C11

<400> 8876

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 caccgccggc catgctgtgg cgtctcctgc gacggggaac actggtgttg atctcgccga 180
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 aatttctatc ccttcaactc tttcttccgc ccccggtgtt caggaataat gttctggaga 480
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 tatatgctta gatgttcagt cacttccttt aagtacaatt tggcgctgga catgtacctt 600
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<210> 8877

<211> 629

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-C7

<400> 8877

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tacgcgactc gccgcagaaa gagagccgag gacggcagcg acctctcgct ggcgtcggat 180
atggatctcg acgccgacgc gcagcgcgcc gcagataagc tgaaagcagt gtcagaggaa 240
cttgacatg agatccgggt ttttttcaag tgagaacttt gctctacaac cgagcaagct 300
gcctagtgc gatcatgagg aaggtgacga cttttatgag cttcagcctg ctgattacta 360
caacttgatt tcaaacagga tgggagagct atctaaaatg ctaaagactc gcaagatgcg 420
ggaagcagaa cttgctgctc agcgagcaaa gcgaacaaag gcagtaatga ggggtgcgatt 480
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tggaacctgct catgaaagta cttgctagac cagatctgcc attctatctc tatacagtac 600
ctccaaaaag cgaatactgg acacatcac 629

<210> 8878

<211> 608

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-C8

<400> 8878

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agaatccaga atttcttcgc cagttaacat ctctgaaca ttgcagcaat taatttcatt 120
ccagcagtct ttgatgtcac aacttggcca acaacaagct ggacaggagc ggacacaatc 180
aggctctggt gcaggcaatg tcaacctcaa caccttgatg aacatgttca gcgggcttgg 240
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cttggccgct accgctggaa atgttcacgc tgcagtggag cgacttcttg gaaatatggg 420
ctaatagaat atgatgatca taactgtact cagatattgt gatttttagt tggcattgtg 480
agatcatgtc tggctcattg gttttacacc cgagggtgag agggggcgct tagattntgt 540
gttcaagnat gaatanagag tgtaccgggn ggaacctttc atatacatat nggtctggtg 600

tcatgggtt

608

<210> 8879

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-C9

<400> 8879

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tttgccctcct tatgctcctt ggtatctctg caagtgtctg tacggcgacc attttcccg 120

aatgctcaca agctcctata gcttcccttc ttcccccgta cctctcacca gcggtgtctt 180

cgggtatgtga aaaccaatt cttcaaccct acaggatcca acaggcaatc gcagctggca 240

tcttaccttt atcacccttg ttctccaac aatcatcagc cctattacag cagttacctt 300

tggtgcattt attggcaca aacatcaggg cacaacaact acaacaactt gtgctagcaa 360

accttgctgc ctactctcag caacagcagt ttcttccatt caaccaacta gctgcattga 420

actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct gttgcctacc 480

ccaacaatt tcttccattc aaccaactgg cagcattgaa ctctcctgct tatttacagc 540

agcaacaact actaccattc agccagctag nctgggtgtga gccctgctac cttcttgaca 600

caaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctggca ccc 653

<210> 8880

<211> 448

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-D10

<400> 8880

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cgggtcagaa agtgtctgaaa tccttcttgc acaagatcta caggcagaag taggggtgctc 180

gtgggtaaac gagctcagga gtcgttactc cttcgcatgc ttgacataac cggacttcct 240

cacctgggtg ctctagtatg atgtggagcg tctagttaaa aaaaatcgat gtagtatgaa 300
gcaccttgct gctctgaata ttaacaggca attaaggcaa ggtgctgttt cggtttggtg 360
gaccgcatgt tgcagataat aaattagttg ttttgtcnaa aaaaaacaaa gtttcataca 420
tatgatgata aaaaaaaaaa aaataacg 448

<210> 8881

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-D11

<400> 8881

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caattgctgc catttagcca actcgctttg acgaatccta ccaccttatt gcatcagccc 180
accattgggtg gtaccatctt ctagattttt tatgctttat actgtaataa taaattttctc 240
atactgatat gtgcaacttc tcagtaataa aagattaaaa aataaaaaaaaa aaaagaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
acaagcaaac tataaaaaaaaa cctatatacc taactcttaa aaacaaaaaaaa aatgtaaaag 420
gggggcgcca ctgtttaaga ctgaaaaaat tctggtcgat ttgcaagcaa caattattat 480
tttttt 486

<210> 8882

<211> 475

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-D12

<400> 8882

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ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ctgcctacct 180

ccagcaattt cttccattca accaactagc agcattgaac tctcctgctt atttacagca 240
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gcaacaattg ctgccattca accaacttgc tttgacaaac ccagcagtgt tctaccaaca 420
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<210> 8883

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-D3

<400> 8883

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ctcacaagct cctatagctt cctttcttcc cccataacct tcaccagcgg tgtcttcagt 180
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atttcttcca ttcaaccaac tggcagcatt gaactctgct gcttatttac aacagcaaca 540
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tgttgccgtt ctacctgcac gctgcgccta acgctggcac 640

<210> 8884

<211> 625

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-D4

<400> 8884

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cacatacttt gtttattcat ccaccgctgt aatctggtaa aagggttaaca cgatgcctct 120
 cccggttggt cattgggttg ttggttggt acagatcggg cgttaccga ggcacgtgat 180
 cagcctgttc ttccggctgc tgtatccgtg gtactggcct tcctcttgc ggaacttcgt 240
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 gaacctgagg cggcccagtc accggagaac gcacggtgaa tgaagacgcg gcagcccatc 360
 cagtggcacc ttgtgttgtt gttgttggtc atttttcttt cgtttgcgcg agtgggttag 420
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 tgctgtactt gttcagttga tgttcatata ggaagagccg aagaggaacg gctggtaatg 540
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<210> 8885
 <211> 574
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-D5
 <400> 8885

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 tttccctcaa tgctcacaag ctccatagc ttcccttctt ccccatacc ttccatcaat 180
 gatagcttca gtatgtgaaa acccagctct tcaaccctat aggcctcaac aagcaatcgc 240
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 gtcattggta caaaccatca aggcacagca gctgcagcaa ctggtgtac ctgtgatcaa 360
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 ccaacttgct ttgacaaacc cagcagcatt ctaccaacaa cccatcattn ggtgggtgcc 480
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 ctccccagaa aaagaaatac atttctagat tctt 574

<210> 8886

<211> 634
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-D6

<400> 8886

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tccacaatgc tcaattgctc cgagtgccat tattccacag ttctctctc cagttacttc 180
aatgggcttc gaacaccag ctgtgcaagc ctataggcta caacaagcgc ttgcggcgag 240
cgtcttagaa caaccaattg cccaattaca acaacaatcc ttggcacatc taaccataca 300
aaccatcgca acgcagcagc aacaagcact gagccaccta gccgtggtga accctatcgc 360
ctacttgcaa caacagctgc ttgcatcaa cccacttgct ttggcaaacg tagctgcata 420
ccaacaacaa caacagttgc aacagtttct accagcgcctc agtcaactag ccatggtgaa 480
ccctatcgcc tacctacaac agcaacaact tctttcatct agcccgcctc ctatgggcaa 540
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<210> 8887
 <211> 560
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-D7

<400> 8887

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attattccac aatgctcaca acaatacctc tctccggtga cagccgcggg atttcaacac 180
ccaactatac aatcctacat gctacatgag gccatcgtag caagcatctt acggtcatta 240
gcattaacc tccaacagcc atatgcccta ttgcaacaac catccttagt gcatctgtat 300
ctccaaagaa tcgcgacaca acaactacaa caacagttgc taccaacaat caatcaagta 360
gttgcagcga accttgctgc ttatctccag caacaacaat ttcttccatt caatcaacta 420

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gctgggggtga accctgctgt ctacttgacg gcacaacaac tactaccatt taaccaactt 480
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<210> 8888
 <211> 658
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 tcctatagct tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg tatgtgaaaa 180
 cccaattctt caaccctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
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 ggcacaaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
 ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
 tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
 tccattcaac caactggcag cattgaactc tcctgcttat ttacagcagc aacaactact 540
 accattcage cagctagctg gtgtgagccc tgctaccttc ttgatacaac cacagttggt 600
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<210> 8889
 <211> 654
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 8889

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attccacaat gctcacttgc tcctagtgcc attattccac agttcctccc accagttact 180
tcaatgggct tcgaacacct agctgtgcaa gccaacatgc aacaacaagc gcttgcggcg 240
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caagccatca caacgcaaca gcaacaacag ttcctaccag cactgagcca cctagccatg 360
gtgaaccctg ccgcctactt gcaagagcag ctgcttgcac ccaaccact tgctctggcg 420
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ctagccatgg tgaaccctgc cgctacgta caacaacaac aactgctttc atctagcccg 540
ctcgctgtgg gcaatgcacc tacatacctg caacaacaat tggtgcaaca gattgtacca 600
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<210> 8890

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-F10

<400> 8890

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ctggattttc tccaaatgaa gaaattgagc tgtacgagga aattaagttt gagccaaatg 180
tgatgtgcga acatattgac aagaaactta ctttccgctc tagtcagctt gaagacggag 240
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ttgttgagag agttgcacat caacttgggt tggatgatcc atcaaagata cggcttacgt 480
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<210> 8891

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations
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<400> 8891

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aattttccct caatgctcac aagctcctat agcttccctt ctcccccat accttccatc 180
aattatagct tcaatatgtg aaaaccagc ttttcaacca tataggcttc aacaagcaat 240
cgcagcaagc aacatacctt tatcgccctt gttgtttcaa caatcgccag ccctatcttt 300
ggtgcagtca ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctct 360
gatcaaccaa gtagctctgg caaaccttct tccctactct cagcaacaac aatttcttcc 420
attcaaccaa ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt 480
tagccagcta gctactgcct actctcagca acaacaactt cttccattta accaattggc 540
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tgcag 605

<210> 8892
<211> 637
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-F5

<400> 8892

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ggccgagcga gcgggagcag atgcggaagg gcaactacaa gcagacgggtg gacgccgagg 180
agagccgccg ccgcccgcgagg gccagatgg tcgacatccg caaggccaag cgagaggaaa 240
gcctccagaa gaagcgccgc gatgggttcc ccgcccgcg cgccgtgccg ccgatgggcc 300
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ccaacgacc cactgtgcag cttgaggcca ccacgcagtt caggaagctg ctctccatag 420
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tccttacacg tgaggaccat ccacaactcc agtttgaggc tgcattggcg ctcaccaaca 540
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<210> 8893

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-F6

<400> 8893

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 acgccttcag cacctacggc gaggtcctcg agtccaagat catcctcgat cgggagacgc 180
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 gttatcctgt tcgctaccgt gttgtttacc ctagtccaga gtgtttatct tcgttcgtct 600
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<210> 8894

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-F8

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tggatatgttt tattttgttc ttgttgcata cctgattttt ttggttcttt ttattttctac 240
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 gtgagacttt tatgtggcctt ttccccctttc cttgtacaaa tcctatagta ggctttttatg 420
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<210> 8895
 <211> 635
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-K6-G10
 <400> 8895

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 cccaacacct tctaccgtc ctctgtccag tacagctaac cgatcgggaa tccgtgccct 540
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<210> 8896
 <211> 550
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-G3

<400> 8896

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ccgccgcctc cggatctgtt ctgtccgcct ggtgggggtgg ctttcaccga tccaacaaag 180
ggcgagttcg tccggcgcttc aaagctacga gattctttgc cgtcgagttc actccatccc 240
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acgtactttg ggctctcaac aatgccgagg ccaacggcgg gacgacgtct gtgccgcgga 480
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gaagggcaaa 550

<210> 8897

<211> 629

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-G4

<400> 8897

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tatagcttcc cttcttcccc cgtacctctc accagcggtg tcttcggtat gtgaaaacct 180
aattcttcaa ccttacagga tccaacaggc aatcacagct ggcattctac ctttatcacc 240
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gcaacaacaa caactaccat tcagccagct acctgctgcc taccctccagc aatttcttcc 480
attcaaccaa ctggcagcat tgaactctcc tgcttattta cagcagcaac aactactacc 540

attcagccag ctagctgggtg tgagccctgc taccttcttg atacaaccac agttgttgcc 600
gttctaccag cacgctgcgc ctaacgctg 629

<210> 8898

<211> 632

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-G5

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gagagtgcgc agaattgttc aggtctatca ccgccaaagct attcagctgg agtgcagtct 180
gagggactgg atgaccttcc acattcccat aagtttgccg ttggtactag agttcaagct 240
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<210> 8899

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-G6

<400> 8899

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catttagcca gctagctgca gcaaaccgtg cttccttctt gacacagcaa cagttgctgc 180
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<210> 8900
 <211> 616
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-G8
 <400> 8900

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 atgaatttgt gtttcctttt gctagtggca gcaagtcaac tcagtcgaag agaggcgtct 360
 caactcagtc aaagaaaaga gctagtccta ctgttggttaa tagccactg aagcgctcaa 420
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 tttcaaacia agtaatcctt ggtatgccgt cacaaaagcc ttttgcattg cctttgtcat 540
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<210> 8901
 <211> 590
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-K6-H10
 <400> 8901

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tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcggtct gtgaaaaccc 180
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ccttgttcct ccaacaatca tcagccctat tacatcagtt acctttgggtg cattttattgg 300
cacaaaacat cagggcacaa caactacaac aacttgtgct agcaaaccctt gctgcctact 360
ctcagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct gcttcttatt 420
tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag caattttcttc 480
cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa caactatctac 540
cattcagcca gctagctggg gtgagccctg ctaccttctt gaacaaccac 590

<210> 8902
<211> 503
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-H5
<400> 8902

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acccaattgt tcaaccctac aggatccaac aggcaatcgc aacaggcatc ttaccattat 240
cacccttggt cctccaacaa ccgtcagccc tattacagca gttacctttg gtccatttgg 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat 360
actctcagca acatcagttt cttccattca accaactggc tgcattgaac tctgctgctt 420
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cattcaacca actagcagca ttg 503

<210> 8903
<211> 609
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-A3
<400> 8903

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aagttcccct tgggtttttt tttaaaaaaa gaactccaaa cccacccctt tttcccttg 480
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ccattgccc 609

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<210>      8904
<211>      558
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3061-107-Q1-N6-A5

<400>      8904

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agccagttgg ttgaatggaa gaaactgatg ttgctgagag tatgcagcaa ggtttgctag 480
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ctgctgtaat agggctga 558

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<210> 8905
<211> 558
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-A8

<400> 8905

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agttgggttg atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
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ttgtaatagg gctgatga 558

<210> 8906
<211> 590
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B5

<400> 8906

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gctgcctcga caagacagga ttcacaaag agaaccggtt gtatggcagc aattgttgct 180
gctgtaggaa ggcagcgacc aatgggttag cactgcca tggattaagt aactgttgct 240
gctgttgtag gtacgcaaca gagttcgaca tagttagttg gttgaatgga agcagctgtt 300
gcaagtaggc aacagggttt gccacagcta gctgagttag agctgggtaca atctgttgca 360
acaattcttg ttgcaggtat gtaggtgcat tggccacagc gagcgggcta gatgaaagca 420
gttgttgctg ttgtaggttag gcggcagggt tcaccatggc tagttgacta agcgctggca 480

gaaactgttg cagttgttgt tgttcctggg ttgcaactac gtttgctaga gcaagtgggt 540
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<210> 8907

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-D10

<400> 8907

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 cagcaccttg ccttaattgc ctgttaatat tcaaagtttt ttgggggttc atactaaatc 180
 gat tttttttt aactagacgc tccaaattat actagagcaa ccaggtgagg aagtccgggt 240
 atgtcaagca tgcgaaggag taacgaactcc tgagctcggt tatccaaaag caccctactt 300
 ttgcctgtaa attttgggca agaaggattt cagcactttt tgaaccgcaa tgcttgggtg 360
 ggcttaaatg tctgcaatca gctttttgta gcttttcattc tcgtactcct gaaataccgc 420
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<210> 8908

<211> 475

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-D12

<400> 8908

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 taagaggggtg ccagcgttag gcgcaacgtg ctggtagaac ggcaacaact gtggttggtg 180
 caagaaggta gcaggggtca caccagctag ctggctgaat ggtagtagtt gttgctgctg 240
 taaataagca ggagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta 300
 ggcagcaggt agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa 360
 tgaacctagt tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc 420

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<210> 8909

<211> 385

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-E4

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<210> 8910

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G10

<400> 8910

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ctgcctctc cattttccca cacggcttta gtttttttgt cttcttgctt gccggctcgc 180

aatcagggtc acgcacggca tgacatgcca gcctgacccc acaaacatcg cacacgacgc 240

ctgacctaaa aagcgcgccc cggatgcaac aactcccagg accatgatca cgatacaact 300

gcaacggcac ggtgaccgga gacacctccc ctccaaggc cgccgacgac gactagctgt 360

tccgttccgc cgtacttggg ggtagtagac tagtagtaac agcagcagtc tagtggtagt 420

agagcatagt atagtactgt agacgatggg gaccgagccg agtagcgccc cagccagcca 480

gctccaattg cgggcagggc acggatcccc atcggtttagc tgtactggac gaaggagcgg 540

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<210> 8911

<211> 290

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-G2

<400> 8911

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ggcctnngggg tgcgtttttc tttgttgggg tggggtcgcc tttcttgctg ngncacctcg 180

gctggggggc ctnnccgggc ngcgnncccg tgtctggcgg gtgcngccct gggggccttt 240

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<210> 8912

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G8

<400> 8912

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gatccaacag gtccacaact tgtccacaaa gggacagtac aacagaggat ccggaaattt 120

gatctactag ctatgtcca tgccattgta cataaactac cgacacgtaa aacagaaatc 180

atcaaccaat gcaaaagtct ggtcagcttc tctgcaatct ccactctcca ctagcgaata 240

tggtgtgcgt tctactatcag tagccctggg actcaaaata ccaccatgcc agcaggatgc 300

ctcaaagata gcacatgcac tgctctcgag gtccacacacc ctccctccgt ctttactcct 360

tagatgcact ggcggcaggg cctttctttc cgcataacct ctgctttcct atgtggaatg 420

ggacatactt gtacttgatc atatgcacaa tttgtcgctt cattgtcagg acaaaaagca 480

caatccaata acagagaagt attggccaaa agacaggaac gtcgaatata gagaagaagg 540

tcatgacaaa ggcaatgcaa aaggcttttg tgacggcata ccaaggatta ctttg 595

<210> 8913
 <211> 599
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-107-Q1-N6-H10

 <400> 8913

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ggtagcaggg ctacaccag ctagctgggtt gaatggtagt agttgtcgct gctgtaaata  300
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aggtagctgg ctgaatggca gttgttggtt ttgcaaataa gaagcagagt tcaatgcagc  420
tagttggctg aatggaagaa actgctggtt ctgagagtag gcagcaaggt ttgctagcac  480
aagttgttgt agttgttgtg ccctgatgct tcgcgccaat aaatgcacca aaggtaactg  540
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<210> 8914
 <211> 539
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 8914

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cgctagcagc ttgccaaca ttattattgt tcgctggggg gccctgcatg ggctattggg  180
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aacggccggc gctgctcatg gatgatatat actacgcttg ctgcatagcc atcttgcgcc  300
gccgggcatg catgcatgag gcacgacgta cggcgatacc tagacgcgcc atctaaatgg  360
  
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ccggcccgcc ggccggccgg ggcacttgcc ggtggtaaag gtaaggctgt cgtcgtcttt 420
 ttcttgtctg cttttggatt ggggtccga tcccaagcca agggcgctgc gcgggtcaat 480
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<210> 8915
 <211> 538
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-108-Q1-K6-A1
 <400> 8915

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 agtcctata gcttccctc tttcccata ccttccatca atgatagctt cagtatgtga 180
 aaaccagct cttcagccct ataggctcca acaagcaatc gcagcaagca acataccttt 240
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 naacctttca ctctctggg agcgncaaca ataactacc ttcaacctac tgtgtacact 420
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<210> 8916
 <211> 608
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-108-Q1-K6-B10
 <400> 8916

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 gctcctatag cttcccttct tccccatac ctctcaccag cgggtgtctt aatgtgtgaa 180
 accccaattg ttcaacccta caggatcaa caggcaatcg caacaggcat cttaccatta 240

tcacccttgt tctccaaca accgtcagcc ctattacagc agttaccttt ggtccatttg 300
 gtggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgca 360
 tactctcagc aacatcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct 420
 tatttgcaac aacaattacc attcagccag ctagttgctg cctaccccca gcaatttctt 480
 ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca acaactacta 540
 ccattcagcc agctagctga tgtgagccct gctgccttct tgacacaaca acagttgttg 600
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<210> 8917

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-B12

<400> 8917

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 catttttgcc ggcaagcagc tcgaggacgg gcgcacgctg gccgactaca acattcagaa 480
 ggagagcacc ctccacttgg tgctgcgtct caggggcggc atgcagatct tcgtgaagac 540
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<210> 8918

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-B6

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tttccctcaa tgctcacaag ctctatagc tttcccttctt ccccatacc ttccatcaat 180
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ccaactatct acactgaacc ctgctgctta tttgcagcaa caactattac cattcagcca 480
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<210> 8919

<211> 554

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 8919

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gtcttaagga gatc 554

<210> 8920
 <211> 576
 <212> DNA
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<223> unsure at all n locations
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<400> 8920

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aggctacggc ggcgcttacc atgttctcag agaaggtgtc ctggatgacg tgtctgccat 180
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gcttcttgtt gcccgcaaaa ttgatccctt ccaggctgca gtggctcttt ttacgcttca 420
tgaaaggagg tgatgcttac aacgtcattc cagagtcagc atccttcggc gggaccttca 480
ggagcttgac aacagaaggc ttttcgtatc tcatgaagag gatcaaagag atcatagaag 540
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<210> 8921
 <211> 602
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-108-Q1-K6-C6

<400> 8921

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ctctattggt gagngagtca catttggtc atggtaaaca agtgggcatg gagcgctgaa 180
agagaaccac tggcttgatg atggagcata cttatggtc aaacttttga ataaacttgc 240
tgctgctaga aactggggtt caagtattgg tagtaaagtt ttgactgatt tggttgaggg 300
ccttgaagaa gctgatgtga cagttgaaat aaggttaaag attgatcaga atcatgcaga 360
tttgaaagga gggtccttcc gtgactatgg agaatccgtc ttgagacatt tagagaatgc 420
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aatcagcaaa gacccaaatc tccataaagc cccggtgaac catgagggcg taaggggttc 480
 aggatatggt ggggtggttct tgctgaggct ctctctgcat gatcctgttc ttcccctaaa 540
 cattgaggca cagagtaacg atgatgcgat taagctgggg cttgcgggtc ttgctgctgt 600
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<210> 8922

<211> 523

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-D1

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 cgtgnaccta caactacttt catctagccc gctcgcggcg ggcaatgcac ctacgtacct 180
 acaacaacag ntgctgcaac aaattgtacc agctctgact cagctagctg tggcaaacc 240
 tgctgcctac ttacaacagt tgcttccatt caaccaactg gttgtgtcaa actctgctgc 300
 gtacctataa cagcgacaac agtnacttaa tccattggca gtggctaacc cattggctgc 360
 taccttctcg cagcagcaaa tcaactnggt gcgatacaaa cagttccctt tgatgaacc 420
 tgncttgtag caaccatcn ttggagggtg catcttttag attacatat agatgttctc 480
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<210> 8923

<211> 433

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-D12

<400> 8923

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 ttcaaccaac taggttcatt gaactctgct tcttattgca acacattttt tttttagcnc 120
 gctacctgct gcctgcgggg ggggggttct tccattcaac caactagcag cattgaactc 180

tcctgcttat ttacagcagc aacaactact accattcagc cagctagctg gtgtgagccc 240
 tgctaccttc ttgacacaac cacagttggt gccgttctac cagcacgttg cgcctaacgc 300
 tggcaccctc ttacaactgc aacaattgct gccattcaac caacttgctt tgacaaaccc 360
 agcagtgttc taccaacaac ccatcattgg tgggtgccctc ttttagattt cttatgagtt 420
 atagttcaat aat 433

<210> 8924
 <211> 393
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-108-Q1-K6-D5
 <400> 8924

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 aactggcagc attgaactct cctgcttatt tacagcagca acaactacta ccattcagcc 120
 agctagctgg tgtgagccct gctaccttct tgatacaacc tcatttggtg ccgttctacc 180
 agcacgtgc gcctaacgct ggcaccctct tacaactgca acaattgctg ccattcaacc 240
 aacttgcttt gacaaaccca gcagcggttct accaacaacc catcattgggt ggtgccctct 300
 ttttagatttc ttatgagtta tagttcaata ataaagtttt ttgtctgatg tttgtggctt 360
 cccagaaata agaaagtaca tttctagatt ctt 393

<210> 8925
 <211> 393
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-108-Q1-K6-E12
 <400> 8925

gtcgaccag cgtccgggtt caacaccagc cggggtggac cttgaccgtg acgcagggga 60
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 cgctgtgatc cccgacatgc agaagcttgg catcaaggat aagaacgaag cagcgaggat 180
 cgttgcgctc gttaagaatc aaactactgc cgctgccgct actgctgcca gtgctgacaa 240
 cgacgacgac gaggcctgat caatgcaacg acacatcatg atctgctgct gcaacttaatt 300

actatgttcg tatacaaata aatacacccg gcgtacgcgg tggttccttat atgggtctaaa 360
atgtagccag taaattttta actactttat ttc 393

<210> 8926

<211> 602

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-F11

<400> 8926

cgttcgtacc aacatagnaa agcacaatag tgtaccaaca atggcagcca aaatattttg 60
cctccttatg ctccttggtc tttctgcaag tgctgctacg gcgaccattt tcccgcaatg 120
ctcgcaagct cctatagctt cctttcttcc cccgtacctc tcaccagcgg tgtcttcggt 180
atgtgaaaac ccaattcttc aaccctacag gatccaacag gcaatcacag ctggcatctt 240
acctttatca ccttggttcc tccaacaatc atcagcccta ttacatcagt tacctttggt 300
gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaact 360
tgctgcctac tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc 420
tgcttcttat ttgcaacaac aacaactacc attcagccag ctacctgctg cctaccccca 480
gcaatttctt ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca 540
acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc 600
ac 602

<210> 8927

<211> 591

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-F2

<400> 8927

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gtccacgtct cggccccacg cgctgctcgc ttgctcgccg gcggggcgcg agggcggttg 120
cctangtcgt acccagcgaa gcgcggcgctg ccacgggggtg ggggttggtc cgggaccatc 180

gagcctgtcc ggaatttttt ctggcgcggtg atttgccgct gagaaagcat cggaaaaggg 240
aacggggatt tactctcagt agccgcgagc taccaccgt cccctgggtcg attcagtga 300
aatcctccag gtttctgggt cttaatgggt tctcagata tctctgttga tattcgtcct 360
gacataaact catttgatca ttttttaagc atgcgatata ttgcaacaga tncaccctgg 420
ctgaaattan atggaataag agttcagcct gtgccaccat tcagcagttt gagctacaaa 480
cctgaaccag cgctcattca tnattgccta cctgatgaac taatgctcga gattnttaca 540
agaaggagcc natatacttt agggaaggct gcatgtgtct gccgcaagtg g 591

<210> 8928

<211> 352

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-G1

<400> 8928

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gtgatccgct cactccgccg tcaccgaccc gggcccgcgc gtcggttgct tcgctcggtg 120
gagacgacga tctccgcctg gtggtatcag acgtcgttac tttcaagacg gcgaggcaac 180
gtactaaacg ggcagtaagg gaagcaggaa ctctcgggg taagggcgaa cgcggttact 240
gatgcagctc caagcatcag ctgcgtgtcc ttcgagccgg caagtagcac gggacctcag 300
tatctcgatt atgtggctga ctggctgcag gggagacggg ctagggnaac ac 352

<210> 8929

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-K6-G3

<400> 8929

aactaccatt cagccagcca cctgctgcct acccccagca atttcttcca ttcaaccaac 60
tagcagcatt gaactctcct gcttatttac agcagcaaca actactacca ttcagccagc 120
tagctgggtg gagccctgct accttcttga cacaaccaca gttggtgccg ttctaccagc 180

acgttgcgcc taacgctggc accctcttac aactgcaaca attgctgcca ttcaaccaac 240
 ttgctttgac aaaccagca gtgttctacc aacaacccat cattggtggt gccctctttt 300
 agatttctta tgagttatag ttcaataata aagtttttta tctgatgttt gtggcttccc 360
 agaaataaga aagtacattt ctagattcta a 391

<210> 8930

<211> 517

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-K6-G9

<400> 8930

aatcaatcaa gtagttgcag cgaaccttgc tgcttacctc cagcaacaac agtttcttcc 60
 attcaatcaa ctagctgggg tgaaccttgc tatctacttg caggcacaac agctactacc 120
 atttaaccaa cttgtcggga gcccttatgc cttcttactg caacaacagc ttctgccatt 180
 ccatctgcaa gctgtggcaa acattgttgc tttcttgaga caacaacatt tgttgccatt 240
 ttaccacaaa gttgtgggaa acattaatgc cttcttgcaa cagcaacaat tgctaccatt 300
 ctaccacag aatgtggcaa acattgttgc cttcttacia caacaacaat tgctaccatt 360
 tagccaacat gctttgacga atcctaccac cttattgcaa ccgcccacca ttggtggtgc 420
 catcttctag attttttatg atttatactg taataataaa gttctcatgc tgatattgtgc 480
 gacctctcag taataaagta ttagagatct atattttt 517

<210> 8931

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-K6-H1

<400> 8931

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 gcgacaggag ggaggaggga aggagacggt cgatcagagt ctgagacgga ggccgatcca 120
 ccaccgcagc gacgagcggg aggagatgaa gatcatcatt gacacggatc ccggcatcga 180
 tgacagcgtg gccatcctga tggcattcca gatgccgggc gtccaggtcc tagggctcac 240

caccatcttc ggaaactgca ccacagagca tgccacacgc aacgccttga tcctgtgcga 300
gaaggcaagc catctagagg tcccagtagc tgagggcagc catgagcctc tcaagggagg 360
aaagccgcac gttgttgact tcgttcatgg acctgatggc ctcggaacg tagatcttcc 420
tgatcccact atcaagaaag tggaggaaag tgctaccgac ttcttggttg ataaggcttc 480
gcgatttcct ggagaggtct ctgtgctcgc cttgggtact ctgacaaaca tagcattggc 540
catcaagaag gatccctcat tcgtgaaaaa ctttaag 576

<210> 8932

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-A1

<400> 8932

tcggtttagcg gattacaatc tgaacaacag accaacaatg gcgaggcagg actcatacac 60
tattcagcaa cttgctcttt gtgtatgagc tgataacgcg acaataagag tcaccgctaa 120
caagctgcta taggtagat gccgctcggc acgctaaatc agtgggtgat agggcatcag 180
aaaacgcagc tgtaaaaggg tatagggttc aacacgcaac tgctggaaga aagatacctt 240
cagcagcctt gttgataaaa aaatacggca gccctatatc taggtgcact aaatgggtac 300
aaaccatgat ggcacagaaa atgaaggaaac ttcagctacc tcaaatcaac caatgaaata 360
aggcaaacct gtctacatac tctaagcaac aacaatttgt atcattaaac caactgtcta 420
caatgaaccc tgggtgcttat ttgcaacaac aactattacc aaaaaaaca gctagctact 480
g 481

<210> 8933

<211> 500

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-A3

<400> 8933

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atgatcgtaa cacctgtctc ctaccaatat ggtgagagaa ctgtgggtcc ctatccaaaa 120

ttatgatccgg tccggattgt ctaagtctga gattatgatt tgagagagaa ctccctagaga 180
 ttgggcctca tggaagagct ttataagtgt tgattctctt cgatgctatt acaatgggtt 240
 gtgtttgatc gatactagct gtgatgtctc taaataaaaa cgctgttggtg tgcaatatat 300
 gctgggttgg aagattatga ccatttagag gctggcgtga tctataatgc tgtactatta 360
 gatgcggtgc ttgaggtata tgctcttttt gatgcatgga taggctactg gaactgaatg 420
 agagacatat tgtgctcaat aatgagattc ctggtggaaa gaacatgaac cgttctgggtg 480
 ctttgggagt tttatgagga 500

<210> 8934

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-A8

<400> 8934

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 gtgtctgata attgcaatga gtacaattta aattcttaaa cgaggatgca ttggagggca 120
 cgtatggagc acagacagcc gaggccattg gcagctccaa tagcgactat gaaagtagga 180
 ggagataaaa tagctaattgt ttggaccttg agccgtggct gtcagcactc ttaacgggta 240
 gaaccgaccg ggtcgaccgt tctaccgggt aagctctggt cagcataact tggcgggtag 300
 agcgttcgag gccgttactt ttaagaaatt agagtgtca aagcaagcca tccatgtgga 360
 tacattagc 369

<210> 8935

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-C1

<400> 8935

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 tactatgagc tggatatcgg cgtcctgcgt gaggtggacg gaaagtgggt caccatagc 180

cctgtacgtg tggacattgg tgctccttca tacctcgagg gtaggtgaag gagagaagcg 240
 tttatgacac acatgcttgg gatgggggta ttccagacac acttcgtcct tagtggcctc 300
 ctccctttaga catgaaagga tcttcgtctt gctaagaaaa acttggttgc accctctaca 360
 ccgtttgtga actcatacgg tttctctggc tacaac 396

<210> 8936

<211> 330

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-D1

<400> 8936

tgggtgctg cttgctttcg acccatttgt tttggggcaa gtcgtggctt accagcaaca 60
 acaacaggtg ctacagttaa tgccagagct caatcgacta gccatggaga accctgaacg 120
 ttacctataa ctgctttatt ttccggatca ctgtgggcat tgacgccacc attcctataa 180
 caccagttgt tgtaacataa gaaatcgagc tctgactcaa ctggctgtgt gcaagcctgc 240
 tgccacttta caacaggtgc ttccattcaa ccaactggct gtggcaaact gtggtgcgta 300
 cctacaacag tgaccactgg cacttaattc 330

<210> 8937

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-E1

<400> 8937

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 taacttatgc ttgttggatt atttataagt gctgttaacg aggcacgctc catgattggc 120
 tacaggctga tatatgttgg ttttttcaaa gatacgtgtg agaatggcag tcttttagtgt 180
 gtgaaaacga aggtgttaaa ccttagagca tccaagcagt aaaacgagca caactgttac 240
 cttgataaca atggaacatg gctcaaactg agctagccta tttcaatggc tacatttggt 300
 gcttttgttg taacaaaaca taaatgctca tcaacatata acaactttgg ctaagaaacc 360
 ttgcttacta ctctcatcaa cagcatgatg tttcattcaa ccaactggct gcattgaaat 420

ttgatggtta tt

432

<210> 8938

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-E10

<400> 8938

tccggtggggtt ggtaaaagaa gttgtagata atttcataag ctttccagat tgttaaagag 60
tgcattcata tgatttgtga aactccagtt atgtttgttt tactgtggct gattctgttt 120
acctgacaaa aagagtgggt ctgtacactg gtgggtttca tctagtaa at ggccgaattg 180
gctcttccaa ctatggatac tttttagag ggataaaagt tcttacttc agcagaattt 240
cataatTTTT ggttcagtag ttaggtgaga tatacgaatt ttaaagttaa ccatactgct 300
gactaaaaca gattcagtc gttatcttgt cagatgtttt agaacttgta gatggcagat 360
tttaattatt ctattgcaat actgcaagtt gtagagcatt ccgtgtagat actcctagag 420
tattcgtttg atatcaccgc tgttttaatt ttaaagatac aaaattaaca aacagcgttg 480
ctgctgtatg gcatgtggtt caggggtggca gtctttccac tgcgtcttgg gtttaaaacc 540
acgagtgttt tgatgattga tggcaa 566

<210> 8939

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-E12

<400> 8939

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cgaacaggga cagccgtgc aggtggatct tggagtggac tgtaccctt aacgggtggga 120
tccgatgatt gcataagctt ggcttgaatg atgataacga gcagcgagga tcgctgtgct 180
cgtaagaat gaaactactg tcgttggcgt ttctgctggc agagctgaca tcgacgatta 240
cgaggtctga ttaatgccac gacacatcat gatctgggtgc tgaactta at tactatgatc 300
gcattcaa at gaatacactg gagatactgc ggcgtttctt atatgggtta aaatgtagcc 360

aggaaattgt aaactacttt atttttag

387

<210> 8940

<211> 236

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-E8

<400> 8940

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ttacaactgc accatttgc gccatacaac tcaacttggc ctgccacacc gatgggtggc 120

ctgccagaac gctcatatgg gtggcgcccc tcgttttagat gtatggatag agttatgagt 180

gcaattgtaa ggggtgccag ctgtaggctc aggcttccca taaataagaa acaaca 236

<210> 8941

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-G6

<400> 8941

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ttagtgccgg atcttaaaaa catgttaggc gtgtgaatct tagaggttgt gcaagttgca 120

ctgacaatca ggtgcggata ctgaaatctt ttagctgctg gtaggacaaa aggccacttg 180

tacaacagcc tggagtgatg aaactgggta cacagatctc atggaaaacc ccgggggccc 240

cagccacaat gcaagatttc atcgaagaga tgacaaatgc tggcgtgatg gaagaaatgg 300

tcaacgtatg ctttagatat caactctgga agaacaggac attgatgtag gaaattgaat 360

aggagggtga catggtccta agtggaatca ctggggagac cgcctttgag ctcccggatg 420

ctg 423

<210> 8942

<211> 513

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-G7

<400> 8942

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tgatgcaaac ttggccctca ctgagcagcc ttccaagttt gatttttatg atccaaaaac 180
acctttcttc actgcacccc gatgcttgcc tccgacgcaa ttggacaagt gcaagatgaa 240
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tggagtctgc tcacgtgtca gctctggatg tgaactcaag gactccgtga tgatgggagc 360
ggacacctat gaaactgaag aagaagcttc aaagctactg ttagctggga aggtcccagt 420
tggaatagga aggaacacaa agataaggaa ctgtatcatt gacatgaatg ctaggattgg 480
gaagaacgtg gtgatcacia acagtaaggg cat 513

<210> 8943

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-H1

<400> 8943

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gacgcgtcag gagggagga ggatgggtccc gggaaccaga gtttgagacg tggccgatgc 120
accgcttagc gactagcggg aggagatgaa gtatcataat tggcacggct tctgggtgtg 180
gtgaccgcgt ggccatactg aaggcgcttc acatgtcggg cgcgagctc ctaaggctca 240
ccaccatctt gggcaactgg accgcacatg atgccccaca caacggcttg atcctgtgcg 300
agaggcatga catctactag gttcaagtac ctgtaggtag acatgagcct gtcacagaag 360
gaaagccgct cgttgctgac tacgctcttg gacctcgtgg actgctgaag ccagactttc 420
gctgatccca ctgtccagaa cgtggaggaa agtgctaccg actccttagg agataaggtg 480

<210> 8944

<211> 545

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-A1

<400> 8944

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tttaacgcga ccattttttcc tcaataactca caagcctcct attagctgcg cctttttccc 180
ccattacctt ccaatcaatg accgcttnta gtatgtngaa aaccagccc ttcaacccta 240
caggatccag caagcaatcg caacaagcaa cttaccttta tcacacctgt tctttcaaca 300
atcgccagcc ctatcttttg tgcagtcatt ggtacaaacc atcagggcag aacagttgca 360
gcaactcgtg ctaccagtga tcagccaagt agctctggca aacctttccc cctactctca 420
gcaacaacaa ttgtgccaat tcaaccaact tgctttgaca aaccaacag cattctacca 480
acaacccatc attggtggtg cctcttttta gatttcttat gagttatagt tcaataataa 540
atcta 545

<210> 8945

<211> 606

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-A11

<400> 8945

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tccttatgct ccttggtctt tctgcaagtg ttgctaccgc aaccattttc ccacaatgct 120
cacaagctcc tatagcttcc cttcttcccc catacctctc accagcggtg tcttcaatgt 180
gtgaaacccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcattcttac 240
cattatcacc cttgttctc caacaaccgt cagccctatt acagcagtta cctttggtcc 300
atttggtggc aaaaaacatc agggcacaac aactacaaca acttggtgcta gcaaaccctg 360
ctgcatactc tcagcaacat cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ttaccattca gccagctagt tgctgcctac cccagcaat 480
ttcttccatt caaccaacta gcagcattga actctgctgc ttatttacag cagcaacaac 540
tactaccatt cagccagcta gctgatgtga gcctgctgc cttcttgaca caacaacagt 600

tgttgc

606

<210> 8946

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-A12

<400> 8946

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gctcctatag ctcccttct tccccgtac ctctcaccaa cgggtgtctt ggtatgtgaa 180
aaccaaatte ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
tcaccttgt tctccaaca atcatcagcc ctattacagc agttacctt ggtgcattta 300
ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
tatttgcaac aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt 480
cttccattca accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta 540
ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg 600
ttgccgttc 609

<210> 8947

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-A8

<400> 8947

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aatccttttag agcttggttcg gttattttca attcataggt attggaagag attgatatag 120
attggaggag atttgatgta ctagagattg aaactccctc aatccatata gattggagta 180
aaaccgaata tatcttttagg gcttggttcg ttttaggtga attcctctct aatccttctc 240
aatccatttc taatcaaaca gaccttacta ttcaaatagt aagggatttt ggctccttga 300

gtcccccttca ttacatctgg tcctaaacga gccttttaggg gatagactgt ttggtttgtt 360
 gtgtaagggtg ttataggatg actagctttt ttgtataagt ttagtttaat tcgagtgact 420
 aaggtttagat atattgtgat gtccttagct ataaaactaa acagtcgtcc tttaatatgt 480
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<210> 8948

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-A9

<400> 8948

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 gctccaagtt ccattattac acagttcctc ccaccagtta cttcaatggg ctccgaacac 180
 ccagctgtgc aagcctatag gctacaacaa gcaattgcgg cgagcgtctt acaacaacca 240
 atttcccagt tgcaacaaca atccttggca catttaacaa tacaaccat gctaactcaa 300
 catcaacaac aatccctacc aatactgaac cacctagcca tgcagaacct tgccgcctac 360
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<210> 8949

<211> 208

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-B1

<400> 8949

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 ttatgcttta tactgtaata ataaagttct catactgata tgtgcaactt ctcagtaata 180
 aaagattaga gatctatatt ttaagttc 208

<210> 8950

<211> 449

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-B11
 <400> 8950

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 ggcagcattg aactctcctg cttatttaca gcagcaacaa ctactaccat tcagtcagct 180
 agctgggtgtg agccctgcta cttctttgat acaaccacag ttgttgccgt tctaccagca 240
 cgctgcgcct aacgctggca cctctttaca actgcaacaa ttgctgccat tcaaccaact 300
 tgctttgaca aaccagcag cggtctacca acaaccatc attgggtgtg cctcttttta 360
 gatttcttat gagttatagt tcaataataa agttttttgt ctgatgtttg tggcttccca 420
 gaaataagaa agtacatttc taaacnaaa 449

<210> 8951
 <211> 596
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-B12
 <400> 8951

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 tctccgtgct cgcggtgcc agcgcacagc cggggacctc ctgctgccc gggtgggcca 180
 tcccgcacaa cccgtccccg agctgccgct ggtacgtgac cagccggacc tgcggcatcg 240
 ggccgcgcct cccgtggccg gagctgaaga ggagatgctg ccgggagctg gcggacatcc 300
 cggcgtactg ccggtgcacg gcgctgagca tctcatgga cggcgcgatc ccgccgggcc 360
 cggacgcgca gctggagggc cgcctagagg acctgccggg ctgcccgcgg gaggtgcaga 420
 ggggattcgc cgccaccctc gtcacggagg ccgagtgcaa cctggccacc atcagcggcg 480
 tcgccgaatg cccctggatt ctggcgggcg gaacgatgcc ctccaagtaa ctgcgaagag 540
 catagtgcatt gaggaatgag cttgtagcta gctcatatgt ctgaataata agcaca 596

<210> 8952
 <211> 491
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-B2

<400> 8952

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 cttgccctgc gttcgcgtgg ctgcggtgtg agaaggaggg cgtcgaggac tgcgccgagt 120
 tgctcgccgg ccacaatatc gtgggtagcg gcggggagca gttcggagga gacgcgcggt 180
 gcgtcaggat caacatgctg gacagggaca acgtgtcga catgctcgtc cagcgctctt 240
 cctctataaa ctgaacggag tgaatgcatg gagtggcaca gcagcctgca ttgccacaaa 300
 taaaatgaac ccagaaggat ttggtgtctt tttcttttgt cagtttggtta tcttgggtcc 360
 tggtagagaa actttgtttc ggtttgcttt ngatgctttg gactgaactg tgtgtcaact 420
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 aaaaannaaa a 491

<210> 8953
 <211> 502
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-109-Q1-K6-B4

<400> 8953

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 gcaacaacag ttgctgcaac agattgtacc agctctgact cagctagctg tggcaaacc 180
 tgctgcctac ttgcaacagc tgcttccatt caaccaactg actgtgtcga actctgctgc 240
 gtacctaaa cagcgacaac agttacttaa tccactagcg gtggctaacc cattgggtcgt 300
 tgccttcta cagcagcaac aattgctgcc atacaaccag ttctctttga tgaaccctgc 360
 cttgttgtgg cagcaaccca tcgttgaggg tgccatcttt tagattacat atgagatgta 420

ctcgataatg gtgccctcat agcggcatgt gtttcctaga aataatcaat atattgattg 480
agatttatct cgatatattt ct 502

<210> 8954
<211> 604
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-B6

<400> 8954

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accgtgccat gttccacctc cgcgcacttt tctcgtgagc gccctctacc atcccgcctc 120
ctcctggtaa cgcgctgctc aaggttacta gatctgggtga gtcaccgttc agagttgggt 180
tctgttcct ggggcgcttc ttcttacgtt cgcaggcgga gcgtccgtgg aggaggcagc 240
ggggtattga tggaagtggg acccttgatg gacagacact ggttcccctt ggctggacag 300
atttcaaact gaatatgagg ttgtctctat cagcagcaag ggaagaaaac ttgacggtta 360
atcctggaag atggcgagtg ctctatcttg gagacttggg agatggcgaa tcttgggaaga 420
acaatcaaaa gaatggaaac accttgccac agtaatagcg ccagaacagt cgtcgatggc 480
ttcaagctcc tacttgtgtt tccggtgttt ggctgttgcg gctgtaaaag gctggagtca 540
gcatgtacgg ctgtaccatg ctgggatcan gcggcggtcg taccctgctg gactaggcgg 600
cggc 604

<210> 8955
<211> 575
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-C12

<400> 8955

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tcgttctcgt cgtgtgcctg gctctgtcag ctgccagcgc ctctgcaatg cagatgccct 120
gcccctgcgc ggggctgcag ggcttgtacg gcgctggcgc cggcctgacg acgatgatgg 180

gcgcccggcgg gctgtacccc tacgcccaggt acctgaggca gccgcagtgc agcccgtctg 240
 cggcggcgcc ctactacgcc ggggtgtgggc agacgagcgc catgtaccag ccgctccggc 300
 aacagtgtctg ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc 360
 agatgatgat gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc 420
 tgatgcagca gcagcagcag ctgctggcag cccaggggtct caaccccatg gccatgatga 480
 tggcgcagaa catgccggcc atgggtggac tctaccagta ccagtaccag ctgcccagct 540
 accgcaccaa cccctgtggc gtctccgctg ccatt 575

<210> 8956

<211> 565

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-C2

<400> 8956

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 agccctcctt gcgcttcttg cccttttagt gagcgcaaca aatgcgttca ttattccaca 120
 gtgctcactt gctcctagt gctatttcc acagttcctc ccaccagta cttcaatggg 180
 cttcgaacat ccagccgtgc aagcctacag gctacaacta gcgcttgccg cgagcgccct 240
 acaacaacca attgcccaat tgcaacaaca atccttggca catctaacc tacaaaccat 300
 tgcaacgcan caacaacaac ancaacagtt tctgccatca ctgagccacc tagccgtggn 360
 gaaccctgat cacctacttg caacagcagc tgcttgcatc caaccactt gctntggcga 420
 acgtagctgc ataccagcaa caacaacagc tgnaacagtt tatgccagt ctcagtcaac 480
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<210> 8957

<211> 566

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-C4

<400> 8957

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tgctgcttat ttgcagcaac aactattacc atttagccag ctagctactg cctactctca 180
gcaacaacaa cttcttccat ttaaccaatt ggccgcactg aaccccgctg cttatttgca 240
gcagcaaata ctactgccat ttagcgagct agctgcagca agtcgtgctt cttcttgac 300
acagcaacag ttgctgcctt tctacaagca gtttgcggt aaccccgcaa ccctcttaca 360
actacaacaa ttgttgccct ttgtccaact tgctttgaca aaccagcag cctcctacca 420
acaacacatc attggtggtg cctcttttta gattgattat tagttgtaat tcaataataa 480
agttttttgg atgatgtatg tggccaacca gaaataagaa gttacatttc cagattctaa 540
aaaaaaaaa aaaaaaaaaa anaaaaa 566

<210> 8958

<211> 259

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-C5

<400> 8958

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tctgaggcta cactgagatt gaaaatgtca atgctgtatt tcttacacat caaatgaag 120
aaatacagca ttgacatttt gatgtgtaag aactacaaaa aagtggagat gttctacgaa 180
aatgaaata tgctaacttg cattctgttc aatgatttga aaggtaattg gtgtatataa 240
gcagagttct ctgacagac 259

<210> 8959

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-C7

<400> 8959

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 cccctcgggc cctcctcca tccccggcgc ggcggagcca gcagccggcc tgcagttttt 180
 cagctttata atggatccca acatgaagca gcttcaagag gctctggttg atattgagac 240
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 tggtaacagg gaggtctga cagcccttcg gaaacaagcc aggacgtcca agactagcgt 360
 gccatctccc tttgagggtca taatgaaaga gatggaagga agctctggca agcagctgat 420
 aaaggagata tgcccaacgt gtggagatca tgacccaag gaacatactt ggctaattgtt 480
 tcttgatca gatatgtttg cccgtgttcc atttcatgtg gcacacactg ttgtggaaaa 540
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<210> 8960
 <211> 600
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-C8

 <400> 8960

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 ctatagcttc cttcttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaacc 180
 caattcttca accctacagg atccaacagg caatcgcagc tggcatctta cctttatcac 240
 ccttggttct ccaacaatca tcagccctat tacaacagtt acctttggtg catttattgg 300
 caaaaacat cagggcacia caactacaac aacttgtgct agcaaactt gctgcctact 360
 ctgagcaaca gcagtttctt ccattcaacc aactagggtc attgaactct gcttcttatt 420
 tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc 480
 cattcaacca actagcagca ttgaactctc ctgcttattt acagcagcaa caactactac 540
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<210> 8961
 <211> 602
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-C9

<400> 8961

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ccaagttcca ttattacaca gttcctccca ccagttactt caatgggctt cgaacaccca  180
gctgtgcaag cctataggct acaacaagca attgcggcga gcgtcttaca acaaccaatt  240
tcccagttgc aacaacaatc cttggcacat ctaacaatac aaaccatcgc aacgcaacag  300
caacaacaat tctaccagc actgagccac ctagccatgg tgaaccctgc cgcctacttg  360
caacagcagt tgcttgcac aaaccactt gctctggcaa acgtagttgc aaaccagcca  420
caacaacagc tgcaacagtt tctgccagcg ctcaagtcaac tagccatggg gaaccctgcc  480
gcctacctac aacagcaaca actgctttca tctagcccgc tcgctgtggc caatgcacct  540
acatacctgc aacaacaatt gttgcaacag attgtaccag ctctgactca gctagttgtg  600
gc                                                                 602
  
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<210> 8962
 <211> 603
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-D10

<400> 8962

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gtgctacctg tgatcaacca agtagctctg gcaaaccttt ctccctacta tcagcaacaa  180
caatttcttc cattcaacca actatctaca ctgaaccctg ctgcttattt gcagcaacaa  240
ctattaccat tcagccagct agctactgcc tactctcatc aacaacaact tcttccattt  300
aaccaattgg ccgcactgaa cctcgctgct tatttgcagc agcaaatatt actaccattt  360
  
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agccagctag ctgcagcaag ccgtgcttcc ttcttgacac agcaacagtt gctgcctttc 420
taccagcagt ttgcggctaa ccccgcaaac cttcttataa ctgcaacaat tgctgccatt 480
caaccaactt gctttgacaa acccaacagc gttctacca caacccatca ttgggtggtgc 540
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gga 603

<210> 8963
<211> 599
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-D11

<400> 8963

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cgcaatgctc gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg 180
cttcggtatg tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagctg 240
gcatcttacc tttatcacc ttgttctctc aacaatcatc agccctatta caacagttac 300
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caaaccttgc tgctactct cagcaacagc agtttcttcc attcaaccaa ctaggttcat 420
tgaactctgc ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct 480
acccccagca atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac 540
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<210> 8964
<211> 600
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-D2

<400> 8964

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cttcaatgtg tgaaaaccca attgttcaac cctacaggat ccaacaggca atcgcaacag 240
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cccagcaatt tcttccattc aaccaactag cagcattgaa ctctgctgct tatttacagc 540
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<210> 8965
<211> 609
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-D4

<400> 8965

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aagaatccta agactggaaa gtatgttgag catcacctca aattcccacc ttctgtccca 540
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ttgatcgat 609

<210> 8966
<211> 517

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-K6-D7
 <400> 8966

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 gggggggggg tacatgctac atgaggccat cgtatcaagc atattacggt cattagcatt 240
 aaccctccaa cagacatatg ccctattgca acaaccatcc ttattgcatc tgtatctcca 300
 aagaatcttg acacaacaac tacaacaaca gttgctacca acaatcactt caagtagttg 360
 cagtgaacct tgctgcttat ctccagcaac aacaatttct tccattcaat caactagctg 420
 tgggtgaacc tgctgtctac ttgcatgcac aacaactact accatttaac caacttgatt 480
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<210> 8967
 <211> 432
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-K6-D8
 <400> 8967

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 gcggcgacat caaccaccac cacaacatca ccagcagcag caacaccaac aacaacaagt 240
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 acaaccgcag caccaccagc aacatcaact tcaacagcac caacaacaac atcaatgtga 360
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 ttgagcacca cc 432

<210> 8968
 <211> 588

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-K6-D9
 <400> 8968

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 ggtcttgatg gttcgacttc aaggactga tattctccag gactattgtt agcatccctt 480
 gtgggtccatc tgcattagca gtgaagaaag tgcgatgggg acttgcttga tatgttgta 540
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<210> 8969
 <211> 543
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 8969

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 aacccaatt gttcaaccct acaggatcca acaggcaatc gcacacaggc atccttacca 240
 ttatcacctt tgttcttgca acaaccggca cacctattac agcagttacc ttaggtccat 300
 ttcgtggcac acaacatcac ggcacaacaa ctacaacaac ttgtgctagc acaaccttgc 360
 tttatacttt cagaaacatc ctgtacttcc attcaaccaa ctgtctgcat tgaactatac 420
 tgcttatttg caacaacaat taccatccat ccagtttaga gctgcctacc caccacattt 480

tcttgcattc aacacaacta gcatgtttga actctgctgc ttatgtacag cactcacaac 540
tac 543

<210> 8970
<211> 607
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-E11

<400> 8970

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tttccctcct tatgtcctt gctctttcta catgtgttgc taacgcgaca attttccctc 120
aatgtcaca agctcctata gcttcccttc tttccccata ccttccatca attatagctt 180
cagtatgtga aaaccagct cttcaaccat ataggcttca acaagcaatc gcagcaagca 240
acataccttt atcgcccttg ttgtttcaac aatcaccagc cctatctttg gtgcagtcac 300
tggtacaaac catcagggca caacagctgc agcaactcgt gctacctgtg atcaaccaag 360
tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca ttcaaccaac 420
tgtctacact gaaccctgct gcttatttgc agcaacaact attaccattt agccagctag 480
ctactgccta ctctcagcaa caacaacttc ttccatttaa ccaattggcc gcactgaacc 540
ccgctgctta ttgacagcag caaatactac tgccatttag cgagctagct gcagcaagtc 600
gtgcttc 607

<210> 8971
<211> 588
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-E5

<400> 8971

caactagcaa catagnaaag cacaatagtg taccaacaat ggcagccaaa atattttgct 60
tccttatgct ccttggctct tctgcaagtg ctgctaccgc aaccattttc ccacaatgct 120
cacaagctcc tatagcttcc tttcttcccc catacctctc accagcgggtg tcttcagtat 180

gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgagca ggcattctac 240
ctttatcacc cttgttcctc caacaaccgt cagccctatt acagcagtta cttttggtgc 300
atttgttggc acaaaacatc aaggcacaac aactacaaca acttgtgcta ggaaaccttg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ctaccattca gtcagctagc tgctgcctac cccagcaat 480
ttcttccatt caaccaactg gcagcattga actctgctgc ttatttataa cagcaacagc 540
taccaccatt cagccagcta gctgatgtga gccctgttgc cttcttga 588

<210> 8972

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-E6

<400> 8972

cacccaagcg aacgcactag caacaaccta acaacaatgg ctaccaagat attatccctc 60
cttgcgcttc ttgcgctttt tgcgagcgca acaaatgcgt ccattattcc acaatgctca 120
cttgctccta gttccattat tccacagttc ctcccaccag ttacttcaat ggccttcgaa 180
caccagctg tgcaagccta taggctacaa caagcgattg cggcgagcgt cttacaacaa 240
ccaattgcc aattgcaaca acaatccttg gcacatctaa caatacaaac catcgcaacg 300
caacagcaac aacagttcct accagcactg agccacctag ccatggtgaa ccctgtcgcc 360
tacttgcaac agcagctgct tgcattcaac ccacttgctc tagcaaactg agttgcaaac 420
cagcaacaac aacaactgca acagtttctg ccagcgctta gtcaactagc catggtgaac 480
cctgccgcct acctacaaca gcaacaactg ctttcatcta gcccgctcgc tgtggccaat 540
gcacctacat acctgcaaca agaattgttg caacagattg taccagctct aactcagcta 600
g 601

<210> 8973

<211> 591

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-E7

<400> 8973

gcaacatagn aaagcacaat agtgtaccaa caatggcagc caaaatattt tgcttcctta 60
tgctccttgg tctttctgca agtgttgcta ccgcaaccat tttcccacaa tgctcacaag 120
ctcctatagc ttcccttctt ccccatacc tctcaccagc ggtgtcttca atgtgtgaaa 180
ccccaattgt tcaaccctac aggatccaac aggcaatgc aacaggcatc ttaccattat 240
cacccttggt cctccaacaa ccgtcagccc tattacagca gttacctttg gtccatttgg 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat 360
actctcagca acatcagttt cttccattca accaactggc tgcattgaac tctgctgctt 420
atttgcaaca acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc 480
cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 540
cattcagcca gctagctgat gtgagccctg ctgccttctt gacacaacaa c 591

<210> 8974

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-E9

<400> 8974

gcaacatagn aaagcacaat agtgtaccaa caatggcagc caaaaatttt gcctccttat 60
gctccttggg ttttctgcaa gtgctgctac ggcgaccatt ttcccgcaat gctcgcaagc 120
tcctatagct tcccttcttc cccgtacct ctcaccagcg gtgtcttcgg tatgtgaaaa 180
cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc 240
acccttggtc ctccaacaat catcagccct attacaacag ttacctttgg tgcatttatt 300
ggcacaaaac atcagggcac aacaactaca acaacttgtg ctagcaaacc ttgctgccta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactaggt tcattgaact ctgcttctta 420
tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
tccattcaac caactagcag cattgaactc tctgcttat ttacagcagc aacaactact 540
accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacagttggt 600

gccgttc

607

<210> 8975

<211> 514

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-F10

<400> 8975

gttaaaccgg taagggtgat gccttgctgt tcttcagcct ccaccctgat gcaacgacag 60

actctgacag cttgcacggg agctgccccg taatcgaagg ccagaagtgg tccgcaacta 120

aatggatcca tgtgaggtca tttgacctcc ctgtgaagca gccgggttcc tctgacggat 180

gcgaggacga caatatactc tgccccagc gggcagctgt ggggtgagtgt gccagaacc 240

ctaactacat ggtggggacc aaggaagctc ctggcttctg ccggaagagc tgcaaagtat 300

gcgcagagta aggtagtagc ctgctgtctg atatgtgtca tggcgtgttg cgtagtagtc 360

tgctgtttgg ataccgactg gagtatagca tgtatgaagt agaaccggga agaaggaatc 420

gtacgacagc cgagttatct gataacttgt ctcttggtgg aaatgaaagc gttccttaat 480

taagcgaaaa aaaaaaaaaa aaggtggccg ctct 514

<210> 8976

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F12

<400> 8976

gggnnnaaaa tgggtgcngn ngtagcagca ctttgcagna aggaccaatt cttcaaccct 60

acaggatcca acaggcaatc gcagcaggca tcttaacctt atcacccttg ttcctccaac 120

aaccgtcagc cctattacag cagttacctt tgggtgcattt gttggcacia aacatcaagg 180

cacaacaact acaacaactt gtgctaggaa accttgctgc ctactctcag caacagcagt 240

ttcttccatt caaccaactg gctgcattga actctgctgc ttatttgcaa caacaactac 300

cattcagtca gctagctgct gcctaccccc agcaatttct tccattcaac caactggcag 360

cattgaactc tgctgcttat ttacaacagc aacagctacc accattcagc cagctagctg 420

atgtgagccc tgttgccttc ttgacacaac aacagttggt gccgttctac ctgcacgctg 480
 cgctaacgc tggcaccctc ttacaactgc aacaattgct gccattcaac caacttgctt 540
 tgacaaaccc aacagcggtc taccaacaac ccatcattgg tggcgccctc tttt 594

<210> 8977

<211> 484

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F2

<400> 8977

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 ttctgagggc atcagtgcag cccgacggcg acgccctact gtcgcctca gtgccagtcg 120
 ttgcggcagc agtgttgcca gcagctcagg caggtggagc cgcagcaccg gtaccaggcg 180
 atcttcgggt tggctctcca gtccatcctg cagcagcagc cgcaaagcgg ccaggctcgcg 240
 gggctgttgg cggcgagat agcgcagcaa ctgacggcga tgtgcggcct gcagcagccg 300
 actccatgcc cctacgtgc tgcggcggt gtccccact gaagaaacta tgtgctgtag 360
 tatagccgct ggctagctag ctagttagt catttagcgg cgatgattga gtaataatgt 420
 gtcacgcac accatgggtg gcagtgtcag tgtgagcaat gacctgaatg aacaattgnn 480
 natg 484

<210> 8978

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F3

<400> 8978

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 gtggccggcg gtgggtgcgcg gtgaccggcg gccggggcctt catggcgagg cacctggtgg 120
 ccgcgtgct gcgctccggc gagtggcttg tgccgggtcac cgacctcgcc ccggatgtcg 180
 tgctcggcct cggcgacacc gaggacgtcc togatgacgc cctccgtgat ggccgcgccg 240

tctatgcctc agcggatgtc tgcaacctag accagcttat tcaagctttt gaaggggttg 300
 aggttggttt ccacacagct gctgcggatc caagcaagaa cgaccagcaa cttcactata 360
 aggtcaacgt tgaggggaca aagaacgtgg ttgatgcgtg catgatttgc aaggtgaaaa 420
 ggcttatcca caccagctct attgctgnnt gtgttcgacg gagttaatgg gcttctcgat 480
 gcaaataaat cattgccata cccaacaag tttcctgatg cgtatggaca aaccaaggca 540
 gaagcagaaa aganagtcac gaaggctaata ggcattagtg gccttct 587

<210> 8979

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F4

<400> 8979

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 gctgatcggt gcccttgctc tcctggcgct cgctgcgagc gccgcctcca gtacaagcgg 120
 cggctgtggc tgccagacac caccgittca tctaccgctt ccgttctata tgccgcctgc 180
 ggtgtatctg ccgcccagc agcagccgca gccatggcaa taccctactc aaccaccgca 240
 gctaagcccg tgccagcagt tcggatcctg cggcgctcggc agcgtcggca gcccgttcct 300
 gggccagtgc gtcgagttcc tgaggcacca gtgcagcccg gcggcgacgc cctacggctc 360
 gccacagtgc caggcgctgc agcagcagtg ctgccaccag atcaggcagg tggagccgct 420
 gcaccggtac caggcgacat acggtgtggt cctgcagtcc ttctgcagc agcagccgca 480
 gggcgagctc gcggcgctga tggcgggcca ggtagcgcag cagctgacgg cgatgtgcgg 540
 tctgcagctg cagcaccag gtcctgccc ttgcaacgca gctgccgggc gtgtctacta 600
 cttg 604

<210> 8980

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F5

<400> 8980

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tccttatgct ccttgggtctt tctgcaagtg ctgctacggc gaccattttc ccacaatgct 120
cacaagctcc tatagcttcc cttcttcccc cgtacctctc accaacgggtg tcttcggtat 180
gtgaaaaccc aattcttcaa ccttacagga tccaacaggc aatcgagct ggcatcttac 240
ctttatcacc ctgttctctc caacaatcat cagccctatt acagcagtta cctttgggtgc 300
atttattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccttg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcagccagct atctgctgcc taccctcagc 480
aatttcttcc attcaaccaa ctgacagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag cttagctggg gtgagccctg ctaccttctt gacacaacca 600
cagttgttgc 610

<210> 8981

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F7

<400> 8981

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cgtcttataa caaccaattt cccagttgca acaacaatcc ttggcacatc taacaatata 120
aaccatcgca acgcaacagc aacaacaatt cctaccagca ctgagccacc tagccatggg 180
gaaccctgcc gcctacttgc aacagcagtt gcttgcataa aaccacttg ctctggcaaa 240
cgtagttgca aaccagccac aacaacagct gcaacagttt ctgccagcgc tcagtcaact 300
agccatgggtg aaccctgccg cctacctaca acagcaacaa ctgctttcat ctgcccgt 360
cgctgtggcc aatgcaccta catacctgca acaacaattg ttgcaacaga ttgtaccagc 420
tctgactcag ctagtgtggg caaaccctgc tgccacttg caacagctgc ttccattcaa 480
ccaactgact atgtcgaact ctgctgcgta cctacaacag cgacaacagt tacttaatcc 540

actagcagtg gctaacccat tggtcgctgc cttcctacag cagcaacaat tgctgcc 597

<210> 8982

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-F9

<400> 8982

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ggtggccaag ctgatgagga acaaggacac gaggggagctg gtggccatga agttcataga 120

gcgaggaaac aggatcgacg agaacgtgtt ccgcgagatc gtgaaccacc gctccctccg 180

ccaccccaac atcatccggt tcaaggaggt ggtgctgact cccacgcacc ttgcgatcgt 240

gatggagtac gctgcggggcg gggagctgtt cgagcgcac tgcgacgccg ggcgggtcca 300

cgaggacgag gcgcgctact tcttcagca gctggtttgc ggcgtcagct tctgccacgc 360

catgaacatc tgccaccggg acctcaagct ggagaacacg ctgctggacg gcagcccggc 420

gccgcgctc aagatctgcg acttcggcta ctccaagtcc tcggtgctgc actcgcgacc 480

gaagtcaacg gtgggcacgc cggcgtagat cgcgcccag gtgctgtcgc ggcgagagta 540

cgacgggaag cagcccgacg tctggctgtg cggagtcacg ctctacgtca tgct 594

<210> 8983

<211> 504

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-G10

<400> 8983

cccgccaaa atcctgtggc gcaccatccg cgggatgatt ccgcacaaga ccanaggggg 60

aggcggctct ggcgaggctc aagacgtacg agggcgtagc gccgccgtac gacaagacta 120

agcgcctggt catccctgac gctcttaagg ttctgaggct gcaaccagga cacaagtact 180

gcctccttgg ggagctttct aaggaggtcg gatggaacta ccatgacacc atcagggagc 240

ttgaggagaa gaggaaggag aaggccaagg tggcctatga gaggaggaag cagctggcca 300

agctgcgcct aaaggctgag gctacagccg aggaaaagct agggtcacag ctggacattc 360

ttactccgat caagtactga atctgtgggtt tegtgcctat cagttttgtg gaacatctga 420
 tccatcgttt taaaagttgt gacagtataa tcttgagtgc tattctgaac acattttgta 480
 gccggtgaat gtattgtttg tttt 504

<210> 8984

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-G11

<400> 8984

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 ggcgccgctg atcgacgcag cggagctggg gtcctggctg ctgtaccgcg ccgtgatcgc 180
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 cctggtgccc gcgctgctct acatcgctggc gcagtgcctc ggcgccatct gcggcgctcg 480
 cctcgtcaag gcgttccaga gcgcctactt cgacaggtag ggcggcgggc ccaactcgct 540
 cgctccggc tactcccgcg gcaccggcct cggcgc 576

<210> 8985

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-G12

<400> 8985

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 caaaccttgc tgcatactct cagcaacatc agtttcttcc attcaaccaa ctggctgcat 180
 tgaactctgc tgcttatttg caacaacaat taccattcag ccagctagtt gctgcctacc 240

cccagcaatt tcttccattc aaccaactag cagcattgaa ctctgctgct tatttacagc 300
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 aacaacagtt gttgccgttc tacctgcacg ctatgcctaa cgctggcacc ctcttacaac 420
 tgcaacaatt gctgccattc aaçcaacttg ctttgacaaa ctcaacagtg ttctaccaac 480
 aacccatcat tgggtggcgcc ctctttttaga ttgcttatga gttatagctc aataatgaag 540
 ttttttggat gatgtttgtg gcgtcc 566

<210> 8986

<211> 549

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-G3

<400> 8986

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 gggggcttct tccaaccacc cattattggg ggggcccttt tttaggatgg tttattagt 180
 gtaattaatt attaaggttt ttgggtgaag gatggggggc acccagaaat aaaaaggttc 240
 ctttcccaa naaaaanaa aaaaaanaa aanaaaata aaaaagaaaa aaaaaaata 300
 aaaaaaaaa aaaaaaaaa aaaaaaaaa gggggggcgt ttttaaagat ncaagtttac 360
 ctaccggtgc ttgccactc ttaacttttn ttttggggca cctaattnaa attaactggc 420
 cggngtttta aaaccttggg aatggaaaaa ccnnggggtt acccaattaa aacggtttgg 480
 aaagaatccc ctttttncca gtttggctaa taacgaaaaa gccccgcncg atcggcnttc 540
 ccaaaaatt 549

<210> 8987

<211> 602

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-G6

<400> 8987

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 gccaaagatat tttccatcct tatgtctcctt gctctttctg catgtgttgc taacgcgacc 120
 atttttcctc aataactcaca agctcctata gctgcccttc ttcccccata ccttccatca 180
 atgaccgctt tagtatgtga aaaccagacc ctccaaccct acaggatcca gcaagcaatc 240
 gcaacaagca acttaccttt atcacacctg ttctttcaac aatcgccagc cctatctttg 300
 gtgcagtcac tggtaaaac catcagggca gaacagttgc agcaactcgt gctaccagtgc 360
 atcagccaag tagctctggc aaacctttcc cctactctc agcaacaaca atttcttcca 420
 ttcaaccaac tgtctatact gaacctgtct gcttatttgc agcaacaaca actactacca 480
 ttccagccagc tagctactgc ctactctcag cagcaacaat ttcttccatt taaccaattg 540
 gccgcactga acccctctgc ttatttccag cagcaaatat tactaccatt tggccagcta 600
 gc 602

<210> 8988

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-G8

<400> 8988

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 gtgtgcctgg ctctgtcagc tgccagcgcc tctgcaatgc agatgccctg cccctgcgcg 120
 gggctgcagg gcttgtacgg cgctggcgcc ggcctgacga cgatgatggg cgccggcggg 180
 ctgtaccctt acgcggagta cctgaggcag ccgcagtgcg gcccgctggc ggccggcgccc 240
 tactacgccg ggtgtgggca gacgagcgcc atgtaccagc cgctccggca acagtgtctgc 300
 cagcagcaga tgaggatgat ggacgtgcag tccgtcgcgc agcagctgca gatgatgatg 360
 cagcttgagc gtgccgctgc cgccagcagc agcctgtacg agccagctct gatgcagcag 420
 cagcagcagc tgctggcagc ccagggtctc aaccccatgg ccatgatgat ggccgagaac 480
 atgccggcca tgggtggact ctaccagtac cagtaccagc tgcccagcta ccgcaccaac 540
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<210> 8989

<211> 579

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-G9

<400> 8989

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tattttccat ctttatgctc cttgctcttt ctgcatgtgt tgctaacgcg accatttttc 120

ctcaatactc acaagctcct atagctgccc ttcttcccc ataccttcca tcaatgaccg 180

ctttagtatg tgaaaaccca gcccttcaac cctacaggat ccagcaagca atcgcaacaa 240

gcaacttacc tttatcacac ctgttctttc aacaatcgcc agccctatct ttgggtgcagt 300

cattgggtaca aaccatcagg gcagaacagt tgcagcaact cgtgctacca gtgatcagcc 360

aagtagctct ggcaaacctt tccccctact ctcagcaaca acaatttctt ccattcaacc 420

aactgtctat actgaaccct gctgcttatt tgcagcaaca acaactacta ccattcagcc 480

agctagctac tgccctactc cagcagcaac aatttcttcc atttaaccaa ttggccgcac 540

tgaacccctc tgcttatttc cagcagcaaa tactactaa 579

<210> 8990

<211> 551

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-H1

<400> 8990

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gcgtcgttct tgccggccgc gctcacctc cgcctctctc tctccagggt gatttgatac 180

gccacaggct gcgcgatggt gctgtgggtc ttccggctacg gctccctcat ctggaacccc 240

ggcttcgact tcgacgacaa aatcctcggc ttcataaagg gctacaagcg cacctttaat 300

ctcgcttgca ttgaccacag aggcacaccg gagcatccgg cgaggacctg cacncttgaa 360

accgacgacn aggccatatg ctggggaatt gcatattgtg tcaaggggtg tccagaaaag 420

agctaaaagc anngcagtagc ttggagagaa gagagtgtga gtacnaccag aagatatcca 480
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<210> 8991
 <211> 577
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<210> 8992
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-K6-H2
 <400> 8992

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caaacgcag aatgttcttg ttaacccaca tacacaccaa ctcaaaattt gcgatttcgg 240
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<210> 8993

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-H5

<400> 8993

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 ttggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 180
 catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg aactctgctg 240
 cttatttgca acaacaatta ccattcagcc agctagttgc tgcctacccc cagcaatttc 300
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 tgccgttcta cctgcatgct atgcctaacy ctggcaccct cttacaactg caacaattgc 480
 tgccattcaa ccaacttgct ttgacaaacc caacagtgtt ctaccaacaa cncatcattg 540
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<210> 8994

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-A4

<400> 8994

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tgccccctgca ttcagatcat caagactggg acggtocact tcaagctgtg caagtaggac 480
aacactaagc agttccacaa ctccgagatc aagttaccgc ttgtgttccg caaggtgagg 540
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tgggc 605

<210> 8995

<211> 555

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-A8

<400> 8995

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agattggagg agatttgatg tactagagat tgaaactccc tcaatccata tagattagga 180
gtaaaaccga atatatcttt agggcttggt cggttttagg aagaattcct ctctaatacct 240
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ttgagtgcc ttcatcat ctggctctaa acgagccttt aggggataga ctggttggtt 360
tggtgtgtaa ggtgttatag gatgactagc tttttgtat aagtttagtt taattcgagt 420
gactaagggt agatatattg tgatgtcctt agctataaaa ctaaacagtc gtcctttaat 480
atgtcaagga gtccgagttg aaattcatcg tggctcttct tctatgtccc aaaaaaatt 540
taaaggattt tggcc 555

<210> 8996
 <211> 541
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-N6-B12

<400> 8996

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<210> 8997
 <211> 477
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-N6-B4

<400> 8997

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<210> 8998

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-B8

<400> 8998

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gaatacccta cacaacatt aacaacatta ttgcttgcct tggcgagct ctagccatga 360
ctcgagatac ataaacattt ctctgctcat cttatggaca gtatgctcta actatgctgg 420
cttcaagaac tgcaatgtac ccaagagttg ctagca 456

<210> 8999

<211> 599

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-B9

<400> 8999

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gctcaacagg gcaatatatg gaacaccacc taccgaggcg cgttatcgta gcttaaccat 180
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ggaccttctc gccgtggatc accggcgtca ccgtacgggtg gctcttctctc gggtggtagt 540
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<210> 9000

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-C4

<400> 9000

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 gcttatttgc agcaacaact attaccattt agccagctag ctactgccta ctctcagcaa 180
 caacaacttc ttccatttaa ccaattggcc gcaactgaacc ccgctgctta tttgcagcag 240
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 cacatcattg gtgggtgccct cttttagatt gattattagt tgtaattcaa taataaagtt 480
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<210> 9001

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-C5

<400> 9001

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 gaagaaatac agcattgaca ttttgatgtg taagaactac aaaaaagtgg agatgttcta 180
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 ataagcagag ttctctgac 259

<210> 9002
 <211> 593
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-C7

<400> 9002

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gtccccctcg gcccctcctc catccccggc gcggcgggagc cagcagccgg cctgcagttt 180
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atggtaacag ggaggctctg acagcccttc ggaaacaagc caggacgtcc aagactagcg 360
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tttcttgat cagatatgtt tgccgtgtt ccatttcatg tggcacacac tgttggtgaa 540
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<210> 9003
 <211> 608
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-N6-D10

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tctaccagca gtttgcggct aaccccgcaa accttcttac aactgcaaca attgctgcca 480
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 gccctctttt agattgctta tgagttatac ttcaataatn gaagtttttg gatgatgttt 600
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<210> 9004

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-F2

<400> 9004

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 gtgatatagc tccatcgcta tctagctagt tgagacattt agccgcgatg actgagtaat 420
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<210> 9005

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-F3

<400> 9005

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 cgtgctcggc ctccggcgaca ccgaggacgt cctcgatgac gccctccgtg atggccgcgc 240
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<210> 9006

<211> 548

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-F4

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<210> 9007

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-N6-G10

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gaagcatcta tccaacctgc tctaaaggc tcacgctaca gcacgagtaa aagctatggt 360
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<210> 9008

<211> 592

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-G11.

<400> 9008

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gcgtccctgg ctgcgctct gttgtaatga cgggggcacc gcaactctct gcactctgtt 480
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<210> 9009

<211> 542

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-G6

<400> 9009

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<210> 9010
<211> 412
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-109-Q1-N6-H4
<400> 9010

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cgcacacaga ccattctcc ttgtatctc tgcgtgtgca tctgactctc acacataccc 360
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<211> 578
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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 attatagctt caatatgtga aaaccagct cttcaaccat ataggcttca acaagcaatc 240
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 ttcaaccaac tgtctacaat gaaccttgct gcttatttgc agcaacaact attaccattt 480
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<210> 9012
 <211> 188
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-A10

<400> 9012

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 ttccacactg catcacacac aatacctcct cttcggtgac agtcgcgcgg tgatttctaa 180
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<210> 9013
 <211> 578
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-A2

<400> 9013

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 tagcttcctt ttttcccccg tacctctcac cagcgggtgc ttgggtatgt gaaaacccaa 180
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 agcaacagca gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc 420
 aacaacaaca actaccattc agccagctac ctgctgccta ccccagcaa tttcttccat 480
 tcaaccaact ggcagcattg aactctnctg cttatttaca gcagcaacaa ctactaccat 540
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<210> 9014

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-A6

<400> 9014

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 aagtctttac atggggagta tgaatataca acacaagcca ctacgccatg ggaaatgggc 180
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 gctcttcaaa atggaagatg tgagcttggg tgtgtgggtt gagcagttca ataagacaag 360
 acccgttgaa tacgttcaca gcgacaaatt ttgtccaaat ggatgcgtcc ctgactacta 420
 tactgctcat taccaatcgc caaagcta at gctttgcatg tggcagaagt tactggaagg 480
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<210> 9015

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-A9

<400> 9015

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 cacaagtctc ctatagcttc ctttcttccc ccatacctct caccagcggg gtcttcagta 180
 tgtgaaaacc caattcttca accctacagg atccaacagg caatcgcagc aggcatttta 240
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 gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactggctgc attgaactct 420
 gctgcttatt tgcaacaaca actaccattc agtcagctag ctgctgccta cccccagcaa 480
 tttcttccat tcaaccaact ggcagcattg aactctgctg cttatttaca acagcaacag 540
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<210> 9016

<211> 606

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-B3

<400> 9016

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 ttccacaatg ctcaacttgc cctagtgcga ttattccaca gttcctccca ccagttactt 180
 caatggggtt cgaacaccta gctgtgcaag ccaacatgca acaacaagcg cttgcggcga 240
 gcgtcttaca acaaccaatt gcccaattgc aacaacaatc cttgccacat ctaacaatac 300
 aagccatcac aagcaacag caacaacagt tcctaccagc actgagccac ctagccatgg 360
 tgaaccctgc cgctacttg caagagcagc tgcttgcatc caaccactt gctctggcga 420
 acgtagtgtg aaaccagcaa caacaacagc tacaacagtt tctgccaacg ctcagtcaac 480
 tagccatggg gaaccctgcc gcctacgtac aacaacaaca actgctttca tctagcccgc 540
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<210> 9017

<211> 600

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-B6

<400> 9017

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ttcagtatgt gaaaaccag ctcttcagcc ctataggctc caacaagcaa tcgcagcaag 240
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<210> 9018
 <211> 593
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-B8

<400> 9018

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gcatttgttg gcacaaaaca tcaaggcaca acaactacaa caacttgtgc taggaaacct 180
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gctaccacca ttcagccagc tagctgatgt gagccctgtt gccttcttga cacaacaaca 420
gttggtgccc ttctacctgc acgctgcgcc taacgctggc accctcttac aactgcaaca 480
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attgctgccca ttcaaccaac ttgctttgac aaacccaaca acgttctacc aacaacccat 540

cattggcggt gccctctttt agattgctta tgagttatag ttcaataatg aag 593

<210> 9019

<211> 67

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-B9

<400> 9019

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tatgttg 67

<210> 9020

<211> 293

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-C10

<400> 9020

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aacaattgct accatttagc caacatgctt tgacgaatcc taccacctta ttgcaaccgc 180

ccaccattgg tggtgccatc ttctagattt tttatgattt atactgtaat aataaagttc 240

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<210> 9021

<211> 572

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9021

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ttcagccggg gagaccttac gatgagctgg gcagaagact caccagtac taccgggtgt 120
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 tcggtaacgc gcaccagctg ttcaccatcg tgttcgagac cgggaggttc aagggtcca 240
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 caccgcagca gccgccaaag gacgacgagg atggctccgc cgtcaccaag attggactat 480
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<210> 9022
 <211> 565
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-C2

 <400> 9022

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 ctatctgcgg ccgcagcagc agccgcagcc atggcaatac cccactcaac caccgcagct 240
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 acagtgccag gcgctgcagc agcagtgtcg ccaccagatc aggcaggtgg agccgctgca 420
 ccggtaccag gcgacatacg gtgtggtcct gcagtccttc ctgcagnagc agccgnaggg 480
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<210> 9023
 <211> 567
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-110-Q1-K6-C4

<400> 9023

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ttcttgcttt cattgcttta gtatcaagtg tttcttgtag acagacaggc ggctgcagct 180
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gccaacaaca acatcaccaa caatcacaaag gccatgtgca acaacacgaa cagagccatg 480
agcaacaccn aggacagagc catgagcaac aacatcaaca acaattccag ggtcatgaca 540
agcagnaaca accacaacag cctcagc 567

<210> 9024

<211> 589

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-C5

<400> 9024

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caatgtctac aagctcctat agcttccctt cttcccccat acctctcacc agcggtgtct 180
tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240
atcttaccat tatcaccctt gttcctccaa caaccgtcag ccttattaca gcagttacct 300
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aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgccctacccc 480
cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta ttacagcag 540

caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcct

589

<210> 9025

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-C6

<400> 9025

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aaaccattgt atgttgcat tgcgcagcgc aaagaagata gaaaagcgat gttgcaggca 180
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cctcatatgc caaattattt tgttccagtt gtccaacacc aacagggcca acaggtcca 420
cgcccaggta ttaggcgtgg agctggagcc cagggtcagc aacctgtgcc accatttcag 480
cagcagattg ttccaagagg accgatgtac cgttacccaa ctggctcgcaa catgcctgaa 540
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<210> 9026

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-C7

<400> 9026

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caacagttcc taccagcact gagccaccta gccatggtga accctgtcgc ctacttgcaa 300
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caacaactgc aacagtttct gccagcgctt agtcaactag ccatggtgaa ccctgccgcc 420
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 tacctgcaac aagaattggt gcaacagatt gtaccagctc taactcagct agctgtggca 540
 aaccctgttg cctacttgca acagctgctt ccattcaacc aactaactat gtcgaactct 600
 g 601

<210> 9027
 <211> 190
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-D10

<400> 9027
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<210> 9028
 <211> 599
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-D11

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cctcagcaat atcagcaggg ccaggaaaaa tcacaacagc aacattgtca ttgccaggag 540
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<210> 9029

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-D2

<400> 9029

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ttgtgggtaa tgcacctaca tacctgcaac aacatttgct gcaacagatt gta 593

<210> 9030

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-D5

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actttgttat atccaccggg gacaacttct acaaggacgg cctcaagggc gtgcgcgacc 300
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 tggacttctt ctttgtcgac accactccgt tccaactgga gtattggact caccctggca 540
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<210> 9031

<211> 589

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-D8

<400> 9031

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 ttcaactagc catggtgaac cctatcgctt acctacaaca gcaacaactt ctttcatcta 180
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<210> 9032

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-D9

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<210> 9033
 <211> 582
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-110-Q1-K6-E1
 <400> 9033

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 tcaatgggct tcgaacaccc agctgtgcaa gcctacaggc tacaacaagc gcttgccggc 240
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 caaaccatcg caacgcaaca gcaacaacaa tttctaccag cactgagcca actagctgtg 360
 gtgaacctg tcgcctactt gcaacagcag ttgcttgcac ccaaccact tgctctggca 420
 aacatagttg cataccaaca acaacaacaa ttgcaacagt ttctaccagc gctcagtcaa 480
 ctagccatgg tgaacctgc cgctaccta caacagcaac aactgatttc atctagccct 540
 ctcgctgtgg ttaatgcacc tacatacctg caacaacagt tg 582

<210> 9034
 <211> 600
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-110-Q1-K6-E10

<400> 9034

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ctgtggctgc cagacaccac cgtttcatct accgcctccg ttctatatgc cgcctccgtt 180
ctatctgccc cgcgagcagc agccgcagcc atggcaatac cccactcaac caccgcagct 240
aagcccgtgc cagcagttcg gatcctgcgg cgtcggcagc gtcggcagcc cgttctctggg 300
ccagtgcgtc gagttcctga ggcaccagtg cagcccggcg gcgacgccct acggctcggc 360
acagtgccag gcgctgcagc agcagtgtcg ccaccagatc aggcaggtgg agccgctgca 420
ccggtaccag gcgacatacg gtgtggtcct gcagtccttc ctgcagcagc agccgcaggg 480
cgagctcgcg gcgctgatgg cggcccaggt agcgcagcag ctgacggcga tgtgcggcct 540
gcagctgcag cagccaggtc cctgcccttg caacgcagct gccggcggtg tctactactg 600

<210> 9035

<211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-E11

<400> 9035

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gcagcagtgc tgccaccaga tcaggcaggt ggagccgctg caccgggtacc aggcgacata 180
cgggtgtggc ctgcagtcct tcctgcagca gcagccgcag ggcgagctcg cggcgctgat 240
ggcgccccag gtagegcagc agctgacggc gatgtgcggc ctgcagctgc agcagccagg 300
tccctgccct tgcaacgcag ctgccggcgg tgtctactac tgaggaaact atgtactgta 360
gtaataatgt aatggagccg ctgactagct acctagctcg ctagtttact catttagcgg 420
cgatgagtaa cgtagtgtca cccatcacca tgggtggcag tgtgagcaat gacctgaatg 480
aaccattgaa atggaaagga ataatatata aggaaaaaag atgattgg 528

<210> 9036
 <211> 578
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-E2

 <400> 9036

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caacatcacc agcagcagca acaccaacaa caacaagttc acatgcaacc acaaaaacat 120
cagcaacaac aagaagttca tgttcaacaa caacaacaac aaccgcagca ccaccaccaa 180
caacaacaac aacagcacca acaacaacat caatgtgaag gccacaaca acatcaccaa 240
caatcacaag gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc 300
catgagcaac aacattaaca acaattccag ggtcatgaca agcagcaaca accacaacag 360
cctcagcaat atcagcaggg ccagggaaaa atcacaacag ctacaatgtc attgccagga 420
gcagcaacag actacaaggt gcagctataa ctactatagc agtagctcaa atctaaaana 480
ttgtcatgaa ttccctaagc agcagngcag ccctttggta aatccttttc tccaatcacg 540
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<210> 9037
 <211> 481
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-E3

 <400> 9037

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ttgcagcaac aacaactact accattcagc cagctagctg ctgcctaccc ccggcaattt 180
cttccattca accaactggc agcattgaac tctcatgctt atgtacaaca acaacaacta 240
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ttgccgttct acctgcacac tgcgcctaac gttggcacc ctttacaact gcaacaattg 360
  
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ctgccattcg accaacttgc ttgacaaac ccagcagtgt tctaccaaca acccatcatt 420
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 g 481

<210> 9038
 <211> 312
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-E5
 <400> 9038

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 catcttacct ttatcacctt tggttcctca acaatcatca gccctattac agcagttacc 180
 tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 240
 aaacettgct gcctactctc agcaacagca gtttctttcc attcaaccaa cttgctgcat 300
 ttgaactctg ct 312

<210> 9039
 <211> 570
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-E8
 <400> 9039

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 tccctcaatg ctcaacagct cctatagctt cccttcttcc ccatacctt ccatcaatga 180
 tagcttcagt atgtgaaaac ccagctcttc aaccctatag gctccaacaa gcaatcgag 240
 caagcaacat acctttatca cccttgtttc aacaatcgcc agccctatct ttggtgcagt 300
 cattggtaca aaccatcaag gcacagcagc tgcagcaact cgtgctacct gtgatcaacc 360
 aagtagctct ggcaaacctt tctccctact atcagcaaca acaattgctg ccattcaacc 420

aacttgcttt gacaaaccca gcagcggttct accaacaacc catcattggg ggtgccctct 480
 ttttagatttc ttatgagtta tagttcaata ataaagtttt ttgtctgatg tttgtggctt 540
 cccagaaata agaaagtaca tttctagntt 570

<210> 9040

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-E9

<400> 9040

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 ccgtgcccgt cgacgcgtcg ttcttgccgg ccgcgcctca cctccgccct ctctctctgc 180
 agggggatcg gatacgccac aggctgcgcg atgggtgctgt ggggtcttcgg ctacggctcc 240
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 aagcgcacct ttaatctcgc ttgcattgac cacagaggca caccggagca tccggcgagg 360
 acctgcacgc ttgaaaccga cgacgaggcc atatgctggg gaattgcata ttgtgtcaag 420
 ggtgggtccag aaaaagagct aaaagcaatg cagtacttgg agagaagaga gtgtgagtac 480
 gaccagaaga tatccattga tttctacaag gaaggagatc ccttgaaacc agctgtgaca 540
 ggcgctcttag tgttcgtttc cactccagat ccaattggca acaagtacta tcttggggcc 600
 tgc 603

<210> 9041

<211> 599

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F10

<400> 9041

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 aatgctcact tgctcctagt tccattattc cacagttcct cccaccagtt acttcaatgg 180

ccttcgaaca cccagctgtg caagcctata ggctacaaca agcgattgcg gcgagcgtct 240
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 tcgcaacgca acagcaacaa cagttcctac cagcactgag ccacctagcc atggtgaacc 360
 ctgtcgctta cttgcaacag cagctgcttg catccaaccc acttgctcta gcaaacgtag 420
 ttgcaaacca gcaacaacaa caactgcaac agtttctgcc agcgcttagt caactagcca 480
 tgggtgaaccc tgccgcctac ctacaacagc aacaactgct ttcacttagc ccgctcgctg 540
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<210> 9042

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F11

<400> 9042

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 acatcatttc tcgttttgag agtagagctg gcgagtctct caactgggag gacttcccct 180
 ccaaagttgc agtgcagatg aatgacactc atccaacact atgcattcct gagttaatga 240
 gaatactgat ggatgttaag ggattaagct ggagtgaggg atggagtatt acagaaagaa 300
 ccggtggcata cactaaccat acagtgcctc ctgaagctct agagaagtgg agcttggaca 360
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 taaacaacat agtctcaaag tatggaacca cagatactga actgttgaaa aagaagctga 480
 aagagatgag gattctggat aatgttgacc ttccagcttc catttcccaa ctatttgta 540
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<210> 9043

<211> 581

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F3

<400> 9043

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atccctcctt gcgcttcttg ccctttttgt gagtgaaca aatgcgttca ttattccaca 120
atgctcactt gctccgagtg ccattattcc acagttcctc cctccagtta cttcaatggg 180
cttcgaacac ccagctgtgc aagcctatag gctacaacaa gcgcttgagg cgagcgtctt 240
agaacaacca attgccaat tacaacaaca atccttggca catctaacca taaaaccat 300
cgcaacgcag cagcaacaag cactgagcca cctagccgtg gtgaacccta tcgcctactt 360
gcaacaacag ctgcttgcac ccaaccact tgctttggca aacgtagctg cataccaaca 420
acaacaacag ttgcaacagt ttctaccagc gctcagtcaa ctagccatgg tgaaccctat 480
cgcctaccta caacagcaac aacttctttc atctagcccg ctgcctatgg gcaatgcacc 540
tacatacctg caacaacagt tggtgcaaca acagttgctg c 581

<210> 9044

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F4

<400> 9044

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caatgctcgc aagctcctat agcttccctt cttccccgt acctctcacc agcgggtgtct 180
tcgggtatgtg aaaacccaat tcttcaacc tacaggatcc aacaggcaat cgcagctggc 240
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ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
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aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480
ccccagcaat ttcttccatt caaccaacta gcagcattga actctcctgc ttatttacag 540
cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca 600

caaccac

607

<210> 9045

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F5

<400> 9045

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ggcaggacga agagggcgga ggaggagggc gtcacgcgga gaaggagctc gtcggtgacc 180
caataaccca cgactcggtc gtctcggcga agctgtacga ggacgtgccg gcgacgccga 240
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cccccgacgt gaggccggag gaggcggagc tggaccccat ggacaaccac gtgtcgttcc 480
agtgcgagga catgggcgcc atggagcggc ggctgcggga gatgcgcgtg cggtagatga 540
agcggaccat caacgaggag gaagggtcgc ccatcgacca gctcttcttc agggacccgg 600
acggcttcat ga 612

<210> 9046

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F6

<400> 9046

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gtcctatag ctctccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
aaccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240

tcacccttgt tctccaaca atcatcagcc ctattacaac agttaccttt ggtgcattta 300
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 tactctcagc aacagcagtt tcttccattc aaccaactag gttcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt 480
 cttccattca accaactagc agcattgaac tctctgctt atttacagca gcaacaacta 540
 ctaccattca gccagctagc tgggtgtgagc cctgctacct tc 582

<210> 9047

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-F7

<400> 9047

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 tgagccctgc taccttcttg acacaaccac aattgttgcc gttctaccag cacgctgcgc 180
 ctaacgctgg caccctctta caactgcaac aattgctgcc attcaaccaa cttgctttga 240
 caaacccaac agcattctac caacaacca tcattgggtgg tgccctcttt tagatttctt 300
 atgagttata gttcaataat aaagtttttt gtctgatgtt tgtggcttcc cagaaataag 360
 aaagtacatt tctag 375

<210> 9048

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F8

<400> 9048

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 aaccaaatc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240

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 cttccattca accaactggc agcattgaac tctcctgctt atttacagca gcaacaacta 540
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<210> 9049

<211> 541

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-G1

<400> 9049

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 caagctccta tagcttccct tcttccccca taccttccat caattatagc ttcaatatgt 180
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 g 541

<210> 9050

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-G11

<400> 9050

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 ctgcttctt actgcagcaa cagttgcttc cattccatct acaagttgtg gcaaacattg 540
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<210> 9051

<211> 568

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-G3

<400> 9051

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 aatactgcag tatttctcaa tactgcagta ttatatacag aatgggtgtt ggcaagctag 420
 ctaaaatctc agttttttaa actgaagtat tgcaaatact atagnagttt taagctattc 480
 taaacttaag tctggacctc agttttttaa actgcggtat tgtaaactgc ggtattgtca 540
 tgactaaagt atactgtagt atttcaaa 568

<210> 9052

<211> 501
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-G6

<400> 9052

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gctactgcct actctcagca acaacaactt ctccattta accaattggc cgcactgaac 180
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acattttcag attctaattgt g 501

<210> 9053
<211> 585
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-G8

<400> 9053

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gttggtttcaa caatcgccag ccctatcttt ggtgcagtca ttggtacaaa ccatcagggc 180
acagcagctg cagcaactcg tgctacctgt gatcaaccaa gtagctctgg caaacctttc 240
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acaacaactt ctccattta accaattggc cgcactgaac cccgtgctt atttgagca 420
gcaaatacta ctaccattta gccagctagc tgcagcaaac cgtgcttcct tcttgacaca 480
gcaacagttg ctgcctttct accagcagtt tgcggctaac cccgcaaccc tcttacaact 540

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585

<210> 9054

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-H1

<400> 9054

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tcctatagct tcccttcttc ccccgtagct ctaccagcg gtgtcttcgg tatgtgaaaa 180
cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatnt tacctttatc 240
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ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgcta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactaggn tcattgaact ctgcttctta 420
tttgcaaaa caacaactac cattcagcca gctacctgct gctaccccc agcantttct 480
tccattcaac caactagcag cattgaactc tcctgcttat ttacagcagc aacaactact 540
accattcage cagctagctg gtgtgagccc tgctac 576

<210> 9055

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-H10

<400> 9055

nggnacaact agcaacatag naaagcacia tagtgtacca acaatggcag ccaaaatatt 60
ttgcctcctt atgtccttg gtctttctgc aagtgtgct acggcgacca ttttcccgca 120
atgtcgcaa gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtctc 180
ggtatgtgaa aacccaattc ttcaacccta caggatcaa caggcaatca cagctggcat 240
cttaccttta tcacccttg tctccaaca atcatcagcc ctattacatc agttaccttt 300

ggtgcattta ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 360
 ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa 420
 ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc 480
 ccagcaattt cttccattca accaactggc agcattgaac tctcctgctt atttacagca 540
 gcaacaacta ctaccattca gccagctagc tgggtgtg 577

<210> 9056

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-H11

<400> 9056

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 ccaagattta gccctccttg cgcttcttgc cctttttgtg agcgcaacaa atgcgttcat 120
 tattccacaa tgctcacttg ctcttagtgc cattattcca cagttcctcc caccagttac 180
 ttcaatgggc ttggaacacc tagctgtgca agccaacatg caacaacaag cgcttgccggc 240
 gagcgtctta caacaaccaa ttgcccatt gcaacaacaa tccttgccac atctaacaat 300
 acaagccatc acaacgcaac agcaacaaca gttcctacca gcactgagcc acctagccat 360
 ggtgaaccct gccgcctact tgcaagagca gctgcttgca tccaaccac ttgctctggc 420
 gaacgtagtt gcaaaccagc aacaacaaca gctacaacag tttctgcca cgctcagtca 480
 actagccatg gtgaaccctg ccgcctacgt acaacaacaa caactgcttt catctagccc 540
 gctcgtgtg ggcaatgcac ctacatacct gcaacaacaa ttgttgcaac a 591

<210> 9057

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-H4

<400> 9057

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 ctgcagggaa cctgcccgtg tggcagcacc ccgctcctgg gccagtgcgt cgagtttctg 120

aggcacacagt gcagcccgac ggcgacgccc tactgctcgc ctacgtgccca gtcgttgccg 180
 cagcagtggt gccagcagct caggcaggtg gagccgcagc accggtacca ggcgatcttc 240
 ggcttggtcc tccagtcctat cctgcagcag cagccgcaaa gcggccaggt cgcggggctg 300
 ttggcgccgc agatagcgca gcaactgacg gcgatgtgcg gcctgcagca gccgactcca 360
 tgccccctacg ctgctgccgg cgggtgtcccc cactgaagaa actatgtgct gtagtatagc 420
 cgctggctag ctagctagtt gagtcattta gggcgcatga ttgagtaata atgtgtcacg 480
 catcaccatg ggtggcagtg tcagtgtgag caatgacctg aatgaacaat tg 532

<210> 9058

<211> 245

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-H5

<400> 9058

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 tccttatgct ccttggctct tctgcaagtg ttgctaccgc aaccattttc ccacaatgct 120
 cacaagctcc tatagcttcc cttcttcccc catacctctc accagcgggtg tcttcaatgt 180
 gtgaaaaccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcattctac 240
 catta 245

<210> 9059

<211> 596

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-H7

<400> 9059

cgatcggcct ccctccccca aaacctccac tcgatcccaa acaaaccaac aaatccatcc 60
 atcgcaatg gacgcgttct tctcggcctc ctccgcgtcg gcgccctacg gctacggcgc 120
 cggcggatgg agctacgact cgctcaagaa cttccgccag atcacccttg ccgtccagac 180
 ccgcgcaatt agcatttcgt atttttttta aaatatatat cagtcgctgg tttcgtgcgt 240
 tccagaaatt ctctgcggg ttgcgtgtag ctgatgcgta attccctgac gtaatctatg 300

attcgcgcgc gtcgtgttcc ttgcatttag aactgcaact gtgcggatgc caccgattcg 360
attgattcgt cactttaaga acatgatccg gttagaacag caagatatga taaatcgatt 420
tgaatccaaa tctgaccatc tggttcgggt tggttgctg caggtctacc tcaccctgtg 480
cgcggcgctg gctcgtcgg cggtgggcgc ttacctgcac gtgggtctgga acatcggcgg 540
gacgctgaca atgctcgggt gcgtcggcag catcgcttgg ctcttctcgg tgcccc 596

<210> 9060

<211> 598

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-H8

<400> 9060

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agctccccga ggctgcgccg cccaagcgcc cactggacc cggggggaac gtatggcgca 120
acccaacac cggaggacga ggaggtggcc atcacaatag atgggggaag ggcccaggag 180
ggggcagcgg gattgcgagc cacaagccgc ctgagaggcc ctgcaagtac tttctcgccg 240
gtaccgaatg tagctatggc gagaggtgcc gctatccgca cagctactgc ataagcgata 300
gtatcgcat gcttaccttg ctcaaggac acgagcaggg tgtcacgggc attgcactgc 360
ccgctgggtc agacaagctt tattccggga gtaaggatgg aactgttcgc atgtgggatt 420
gccaaactgg gcagtgtgct ggtgtcatca ccatgggtcg tgagggtggg tgtatgatca 480
ttgaaggtec gtggttattt gttggaatac ctgatgcagt gaaggtacgt aatacttcaa 540
aattgtgcat ttctcattgt ttcagatttc agaagttgag gcaacttagc actagctc 598

<210> 9061

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-A12

<400> 9061

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ccgcactgta agcccgtgc ttatttgcag catcaaatac tactgccatt taccgagcta 120

gactgcactc aagtcgtgct tcctctcttg acacagcaac agaagctggc ttcctacaat 180
cattttgcgg ctaaccggag gacctcttta caactacaac aattggtgcc cttggcacia 240
cttgctttga caaaccagg aggtctggcta ccaacaacac attattggtg gagcgctctt 300
, ttagattgat tattaagagg gattcaataa taaagttttt tggatgatgt atgtgcgcca 360
accattaaat aagaagatac attcccagat tctcagtgcg gccaatgggt taaatcggac 420
gcat 424

<210> 9062

<211> 477

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-A8

<400> 9062

tcgggtcaaac ttgcccgatc actatctttg aacaaattag tccaatcagg tagtccatac 60
agtgcgaatg gaacgatact taactcatcc caaacctcga gggctacagc attggtcgag 120
tgctatgctt catagagctc tcaacacagt cctatgctgt gtgcatgacc gtaaccgacc 180
tacaccagac tcaagcacct gctattctaa aaaacgtgaa tgcgagtacg caacgaaagc 240
tcattaactg cagactggaa gcaagaaagg atcctgaacc aaagagttgg aggatacttg 300
ataaccttct ctacgatcta gccactgcat ggaaagttga tttgccaatg taaccacaac 360
taccagctct cgaatctgca gcgctgtggc taatatgttg cgcaactgga atggcacgaa 420
ccatgcacca agagcaacca ggcttgcaat atactatatt tttgccaaag aagaat 477

<210> 9063

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-B2

<400> 9063

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tgcaacaaat agatccatct ttgactgaaa taactgtggc gaaccctggg gccttactta 120
caacacatgc tatcattcaa ccaacagatt gcgccaaaca ctggtgggtg cctacaagaa 180

cgacaacaga aactgaactc attggcaggg actaaccat tgggctcttc cttgctggag 240
 caacacaaca ttgtgccta caaccagtta tcttttgtga accctgcctt gcggccaccc 300
 atacgatgga ggagccacct tttagattac ataagaaacg gactcgacaa tgggtgccctc 360
 ataccacat gtgtttgact aaaaataatg aatatattga ttgagatcta aaaaagaaac 420

<210> 9064

<211> 387

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-N6-C10

<400> 9064

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 attctacca caaaagaggt aaacattggt gcctctctta caacaacagc agtagctacg 180
 atgtaggcat acatgcataa gcaactgaatg gctacacacg cttnattaga caagccgctc 240
 cgaccattag gaagggcaga ccattcgctc tgagcatcta tttctatgga gtttagtact 300
 ggtaatcaat aagagtgtct gatgcatgat atgtgcgacc tctcacacat aaagtgttag 360
 agatctatat tttaaaaaaa aaacaag 387

<210> 9065

<211> 596

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-C7

<400> 9065

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 cctagttcca ttattccaca gttcctccca ccagttactt caatggcctt cgaacaccca 120
 gctgtgcaag cctataggct acaacaagcg attgcggcga gcgtcttaca acaaccaatt 180
 gcccaattgc aacaacaatc cttggcacat ctaacaatac aaaccatcgc aacgcaacag 240
 caacaacagt tctaccagc actgagccac ctagccatgg tgaaccctgt cgcctacttg 300

caacagcagc tgcttgcac caacccactt gctctagcaa acgtagtgtc aaaccagcaa 360
 caacaacaac tgcaacagtt tctgccagcg cttagtcaac tagccatggg gaaccctgcc 420
 gcctacctac aacagcaaca actgctttca tctagcccgc tcgctgtggc caatgcacct 480
 acatacctgc aacaagaatt gttgcaacag attgtaccag ctctaactca gctagctgtg 540
 gcaaaccctg ttgcctactt gcaacagctg cttccattca ccaactaact atgtcg 596

<210> 9066

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-C8

<400> 9066

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 gtgctcatgg gaggaggcta tggaagcggg ggtggacagg gagaggcgac aggccttgcg 120
 gtggtagaca cactatggac acagctagca tcccatgcaa caagacagac tcatgtctgg 180
 tgacatattt gtataacatg tatctaactc ttaaaaagac ctaaaatgtc cgctggccat 240
 gaggcctcca taaccgcgag ccgagatctc agatccatac atcagtgtgc accaccaccg 300
 ttgaccaccg tgcgtcacca ccgtcaacag cttttccata gactcctctg tgagcaccac 360
 cttgtccgta tacttcacct gatccatatt ctgaaccaca cccgtaatca gac 413

<210> 9067

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-D9

<400> 9067

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 taaatggcta gctcccatat atgaactagt ctctatcatc atccaatcca gatcagcaaa 120
 gcggcagtgc gtagagagga tcgtcgaaca gaacagcatg aagatgggtca tcgttctcgt 180
 cgtgtgcttg gctctgtcag ctgccagcgc ctctgcaatg cagatgccct gcccttgcgc 240
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gctgtacccc tacgcgaggt acctgaggca gccgcagtgc agcccgtgg cgccggcgcc 360
ctactacgcc ggggtgtgggc agccgagcgc catgttccag ccgctccggc aacagtgtgtg 420
ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc agatgatgat 480
gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc tgatgcagca 540
acaacagcag ctgctggc 558

<210> 9068

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-E1

<400> 9068

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accaagatgt ctccatcttt gcgccatttg ctcttttagt gagcacatca aacgcgtaaa 120
ttatggcaga tgccctacta ggtcctagtg ccttaattac acatgggtctt cttgcagcta 180
ctgcagttgg cttaggacag ccagctccac aggcctacac gctgctagag gctctagcag 240
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tacataccat cggaacgcag cagggacagc cacatctagc atcactgaac ctactacatg 360
ctgtgaaccc tgctgcctac ttgcgtacta gcaggtgcat tgacactcac aacccagtgg 420
ctctggcaaa catagttgcg ttccaacaac aacagcagtt gcgacaacca tctaccagcg 480
ctcagaccac tagccatgac tgaccctgcc gcctacctac aacagctaca actgttttca 540
tctagccctc tcgctgtggt taatgcac 568

<210> 9069

<211> 449

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-N6-E11

<400> 9069

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tgagtggctg atgcacgatg tcgcccgac tggacgcctt acggatgggc gcaactccag 120

gcgctgtagc agctgagctg gcaccatatac aagctggggg agtcgctgca ccgttaccag 180
cctacttact gcgtggccct gctgtccttc ctgcagaaac agccggaagg tgagctcgcg 240
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gaggaatcta tgaactgacc gaatgatgtc atggaccgcg tgactagcta cctatgtctg 420
tagttgactc atttatggtg cttgagtaa 449

<210> 9070

<211> 602

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-E4

<400> 9070

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catcgttctc gtcgtgtgcc tggctctgtc agctgccagc gcctctgcaa tgcagatgcc 120
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gcaacagtgc tgccagcagc agatgaggat gatggacgtg cagtccgtcg cgcagcagct 360
gcagatgatg atgcagcttg agcgtgccgc tgccgccagc agcagcctgt acgagccagc 420
tctgatgcag cagcagcagc agctgctggc agcccagggt ctcaacccca tggccatgat 480
gatggcgagc aacatgccgg ccatgggtgg actctaccag taccagctgc ccagctaccg 540
caccaacccc tgtggcgctc ccgctgccat tccgccctac tactgattca tgatatttgg 600
ga 602

<210> 9071

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-F1

<400> 9071

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gggtcaatgg gcaatggcaa tgatcaaaaa ggctgggtggg cagggaggtc ctgcgaagaa 180
acaacactgt gcttgcacgc ttgaacgacc ctttgattac taccgttaac atgacctaca 240
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ttcgagaccc tactatacag tgagaacgaa gttgcctgtg tataggctgt gccgaacctc 360
tgagtagata catatgggga cctgggtggc ccttaataata ttgtggaaac tacgggcgtc 420
ttcactgacc acaaaatggc t 441

<210> 9072
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-110-Q1-N6-F5
<400> 9072

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cggtagcagc aaaaggcccc aggaggtggg tcttcacca caagaatgag ctgcgccgtg 180
tacccaatct cccctagtcg gcggatggca caagctcagc aaggacctgc tggcgatcta 240
cttgatgggtg ctggaaccac atgtgcacgg tgtgctagtg cggggacgcg tgcattctga 300
tgtacgtcaa ggcgctcggg ttgacgtcga tccagcgctc gccggtgctc gacttgttca 360
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t 421

<210> 9073
<211> 475
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-110-Q1-N6-F6
<400> 9073

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gagcaacaca tgggttggcct gctaaaccag gacctctgac cagcagcgat tgctgcatgt 180
gaaaaacgga gccttcaacc gtaccagagc catcaggcaa cggcaactgc tgtggtagct 240
ttatgaacgt tgatgcttca acaccaatta gctgtatgac aacaggtacc tgtggcgcat 300
gtatatgaca cagaacatca agggacaaca actacaacaa ctggagctaa caaaccttgc 360
tggctactct cagcaacagt caatggcttc cattcaacca actaagtaca ttgaactctg 420
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<210> 9074

<211> 518

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-N6-G10

<400> 9074

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cgctgagac cagcgggtcat tggggtggga cccaatttgc tcttgctaata gggaccaccc 120
tctgtctact ggggttggcct cgccgaagcc ctctgactc cagctgcgtt aaatacgata 180
gttcttggcc ttcaaacttg cttttggcaa agaaccgtct accaagctag aagggggggcg 240
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tcttactatc agccaccttt tgaaatttca aatgcaaata gtgggtcgga acctattctt 360
tctattagct acctctcatg agcgaacact gaatagccct tgccttactg gagcgcaccg 420
ctattgtcat ggaacactgc atgcacctat agcatagct gcacttncag gaagcttaaa 480
tatgggcaac aactgactat actcacctgt tgggtggt 518

<210> 9075

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-G3

<400> 9075

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actattgaaa gctactatag cagtttgggg gacttgcttg ttgtaaacaa gggatctgaa 180
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gtgtggcccc atcgggagcc ggatacttaa ggggtgtttg ggaacaaaga ttttctacag 360
gtttggaaaag aatactgcac tattctcaaa tactgcagta ttatgtacag agtggcgttt 420
ggcaagctag ctaaaatctc attttttaaa actgacatat cgcaaatact atagtaggtc 480
taagctattc taaacttaag tctggacctc agtttttaaa actgccgtat tgaaaactgc 540
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aattccttc 609

<210> 9076

<211> 214

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-G9

<400> 9076

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tcatatatgt gttatatattgt caccttaaact gtaattaact ggatagctgg ttacagcgt 120
gaaatactga taaaatcata atgttacaca acatactagc cttgaacatc atgcgtatat 180
cgtgagggtgc ctaattagtg aacagactca catt 214

<210> 9077

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-H2

<400> 9077

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tgtccctgcc tctttacgtt tctggatggc ttgggctggg ctggggccat tctcacaact 180
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 ccgctggctg gggctcccta ctgcgccagg gcgcccgcgg acgagctctt tttaccaatc 300
 attatggcca cagggctgac accctcagat gacgatgatg gacgtgcagt cctgctcaca 360
 gcagcttcag atgatgatgc tgcttgagcg tgccgctgcc gccagcagca tcctgtacta 420
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<210> 9078

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A1

<400> 9078

ctgentette caccaccgcc tgtgagtatc cccgaggccc ggntggggga cgagatgcct 60
 cgtctcgccc tatgcttgcc actcccgcgg gcaacgacac gcgagaggag gatgagatca 120
 ccaccgcgga ggctcatgtg ngagaaagac gccgcgcgga tggacgctgc cctcctcatg 180
 cggactacgc ccaagatgga cgagtttcac accggggggcg atctggactc aactggaagt 240
 ggaagcggca tctcggggcc aagcgcttcc aaaagacagc taaaagaag gggatcgtgg 300
 cggcaacgag tcagcaggtc cagcatccat gcttatcctt ttcttttggt tttctatttg 360
 atctgttttt ttgcccgcgc cagcaacaga gaagaatgtg gtctgggctg taatgggtca 420
 gcaggtacac catccacgct catcatttcc tttgtgtttc tgtttgatct atttttttaa 480
 aattttctta tcagtttgat tagcatccac ttgcatccgc tcatagtttg attcgtgttc 540
 gttggatggg cctcaaaata ccagttgctt cgactacact ctctgaattt cgcagatcaa 600
 gataaaacc 609

<210> 9079

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A11

<400> 9079

naacaacata naagtgggnat acagtagcaa caatagagca acaatggcgg ccaagnaatt 60
ttccatcctt atgctccttg ctctttctgc atgtgttgct aacgcgacca tttttcctca 120
atactcacia gctcctatag ctgcccttct tccccatac cttccatcaa tgaccgcttc 180
agtttgtgaa aaccagccc ttcaacccta caggctcaa caagcaatcg caacaagcaa 240
cttaccttta tcacccctgt tctttcaaca atcgccagcc ctatctttgg tgcagtcatt 300
ggtacaaacc atcagggcac aacagctgca acaactcgtg ctaccagtga tcagccaagt 360
agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat tcaaccaact 420
gtctacactg aacctgtgtg cttatttaca acaacaacaa ctactaccat tcagccagct 480
agctactgcc tactctcagc agcaacaatt tcttccattt aaccaattgg ccgactgaa 540
ccctctgct tatttccagc agcaaatact actaccattt ggccagctag ctacaacaag 600
ccccacttc tttttg 616

<210> 9080

<211> 628

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A2

<400> 9080

anagctcggc gttgntatgt ggttatacta cttatcacia attggtggag gaatcattag 60
cacgactgaa gaaaaaagag attgccttct ttgccccact ggattttctg ccaacatggc 120
tgcaattaca gccctgggga gtattacctc tcttttgtcc cctggaagaa aacctgcaga 180
gcaogagaga attgccatct tctcagatgc gctgaaccat gcttcaatca ttgatgggat 240
tcgccttttg gagcggcagc aagaagcatt agtgtttgtg tacaagcact gtgacatgtt 300
ccatctcgat ttctgtgtgt ccagttgtct attggaaaag aaagttgttg tcacagatag 360
cctgttcagc atggatggtg atttcgtctc atttctgaa cttattaaat tacgcagaaa 420
gtatggttat ttgttgggtc tcgatgatgc tcatgggaca cttgtttgcg gtgagaatgg 480
tggtgggtgca gctgagctgt ttgaatgtga aaaggacatt gacataggtg ttggcacctt 540
aagcaaggct gccggctgcc aggttggttt tataacatgc agcactcaat ggaaaagctg 600

attcagtcgc gaggtcgctc gttcatat

628

<210> 9081

<211> 625

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A3

<400> 9081

actagcaaca tagnaagcac aatagtgtac caacaatggc agccaaaata ttttgcttcc 60
ttatgctcct tgggtcttct gcaagtgtg ctacggcgac cattttccca caatgctcac 120
aagctcctat agcttccctt cttccccctt acctctcacc agcgggtgtct tcggtatgtg 180
aaaacccaat tcttcaaccc tataggatcc aacaggcaat cgcagctggc atcttacctt 240
tatcaccctt gttcctccaa caatcatcag cctattaca gcagttacct ttggtgcatt 300
tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 360
cctactctca gcaacaacag tttcttccat tcaaccaact agctgcattg aactctgctt 420
cttatttgca acaacaacaa ctaccattca gccagctatc tgctgcctac cccagcaat 480
ttcttccatt caaccaactg acagctttga actctctgct ttatttacag cagcaacaac 540
tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca caaccacaat 600
tggttgcggtt ctaccagcac gctgc 625

<210> 9082

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A4

<400> 9082

cagnattttg ccatccttgc cctccttgct ctttcagcaa gcgttgctac cgcgactatt 60
attccacaat gtcacaaca atacctctct ccggtgacag ccgcgagatt tgaataccca 120
actatacaat cctacaggct acaagaggcc atcgcagcaa gcattctacg gtcgtagca 180
ttgaccgtcc aacaaccata tgccctattg caacaaccat ccttaatgaa tctatatctc 240

caaagaatcg cagcacaaca actacaacaa cagttgcttc caacaatcaa tcaagtagtt 300
 gcagcgaacc ttgctgctta cctccagcaa caacaatttc ttccattcaa tcaactagct 360
 ggggtgaacc ctgctgctta cttgcaggca caacagctac tgccattcaa ccaacttgct 420
 ttgacaaacc cagcagcggt ctaccaacaa cccatcattg gtggtgccct ctttttagatt 480
 tcttatgagt tatagttcaa taataaagat ttttgtctga tgtttgtggc ttcccagaaa 540
 aagaaataca tttct 555

<210> 9083
 <211> 633
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-A5
 <400> 9083

gegaatttcg accaagnaag ccgcataacc tccgtccatc ccatccccgc tcgcctctcc 60
 tctcctcgcc ccgctctaga cgatcgatgg ccgcgacggc ggcggaggag atggagagga 120
 tgggtggaggc ggaatgggag gaggggaagc aggggatgag gaagaggaag cggtagcggc 180
 tgggtggagta ccgggcgctg ccggccttacc tgcgggacaa cgagtacatc caccgccact 240
 accgctgcga gtggccgctc ccgcaggtgc tgctctccgc cttctccatc cacaacgaga 300
 ccctcaacgt ctggacgcat cttataggat ttttcatctt tctcgctctg accatataca 360
 cagcaacaca agttccaaat gcagtagata tccggagctt gcagcatttg ccagatgtac 420
 tgagaaaggc tgatattcat aagattcagg cagagcttgt gtcattgtctt ccgtcgttac 480
 ctcaaccttc agatctacaa aagctgaagg atgagctgaa gacctcttgg aattctatgg 540
 aggttcttcc atctctgtcc cgttggcatc tcttgagatt actcgcaaat tgtctgccac 600
 acagatttac ccatcccaat gaaacaagtt tgt 633

<210> 9084
 <211> 651
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-A9

<400> 9084

gngcttatct gtgttgagtt gggcaaagag aggaagtata ccaatgtccc aaaagctaag 60
atgatcactt atctcttgaa attagtttca cgaaagatgg aaagatgggc aactcaagga 120
tgataatgca aatgttatgt tattagagca ggataacaaa gatgaaacac aatgaagga 180
atctgaggaa caagaacaat caccgacct caaaactgca aactctgact catcaatacg 240
tagagaggct catgcctgtt gttcagtggg gtgcagcaat gttgcatgcc aagccacacg 300
gaatgcagga gataattatt gcaaacgttg ctcttgctgc atttgcaata aatatgatga 360
taacaaagac cctagcttgt ggttggtttg cagctctgat aatccataca gtggttggtc 420
atgtggtgtc tcttgtcacc taaactgtgc tctaaagaat aaaaaggctg gcattgtcaa 480
taatggctgc aacaagttag actgtagttt ctactgtgtt agctgtggga aatcaactg 540
gctaattagg tctcttctg actgttttgg ttcattaaca tgccatagga aattatgaac 600
tctgttaacc taattcctct ttaggcctga ccatcaaaa ctagtatcgc c 651

<210> 9085

<211> 625

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-B1

<400> 9085

tgtgccagg tcgccacccg gcgcgccggg ccgacgccac cgggacgggg ccgctcctgc 60
cggacgccac tcgcgcggtg gtggcgaggc tcgtcgccac agccatgttc gtgttcgccg 120
ccgaagctcc gtctacggcc tctggaagct gtacaaggac acggcaacgc cgggcggcct 180
gctcgcggtg gccatcgcc acacgtggc gctggtggcc gcggtggcgg tagcgagcaa 240
cgcgtcgggt gggcacgtca accctgcggt cacgttcggc ctgctcgtgg gccgtcgcac 300
ctctttcggc cgtgccgcgg tatactggct cgcgcagatg ctccggcccg tggtcgcgtc 360
gttgctgcta acgctcgtct ccggcgccac gcgtcccggt ggcttcgggc tcgtccgcgg 420
cgtccacgag cggcacgcgc tctgtctaga ggccgtcatg acgttcgggc tcatgtacgc 480
cgtgtacgcc accgcggtgg atcaccggag ccggggcggc gcggtcgcga tcgcgccct 540

cgccatcggc ttcgtcctgn ggcgaacat cctcgccggc ggcccgttcg acggcgccgc 600
 gatgaacccg gcgcgggcgt tcggg 625

<210> 9086

<211> 639

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-B11

<400> 9086

gnaaaagtaa aactagtttc gccatgttgg cgcattattca agtgaagaca acttcgtacg 60
 gggcgatccc aaagcccaat tgaatgaatc agcagcgagg ccgaagcctt tgaggagatt 120
 ttaaataact gtggggacgt ctgtgccttc tctagcgcca ggggaattgc agctattttg 180
 gagaaggcag gttgcgaaca tgtgaaaact ttggcgcaag ccgaagctgc tttatgtatt 240
 gatgatacga aggacccctc ggccgaagca agcttagttg gtggaaaatt cttcactgac 300
 atctgggaaa atggtgggag agggatggcc cacgaaataa taaagaagag cgaaaaagat 360
 actcatgatg ctaaggaagc aacgaaggca gctgaaaaag ctgtggaact cgaaaggcgg 420
 atagagccct tcgagtcatt ggtcgaccca gagggcaagg aatcaacaga aattattaac 480
 atggccgaaa gcattatgga cgaagtcgtt actcaactgc tgaccgaagc tgcagacaaa 540
 gttttgaaag aagaagatag atattgtaaa aatattgcta gaatattaat gtaacatttg 600
 ttggactatg cttgtaatat tgggtgctcat aggttctta 639

<210> 9087

<211> 620

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-B12

<400> 9087

tgnaaatttg caaataacttg ggatggctgc tttattgagt tctgacgaaa gaaatggacc 60
 gtgttttagg gattgatggg gtacagctca tcggcatcaa taaccgtaat ctcgagacat 120
 ttgaagttga tattacaaac acaaaaggct tctggaaggt gaacgaggac aggttatagc 180

tcaaaaggat gtaattgttg taggagaatc tgcgctgttc actcctgatg atatttcggt 240
 cggttcaaaac gctgggggtca aagcgggttct cgtcggggaa tccctcatca agcaggagga 300
 tccaggga gcaatctctg ggcttttcgg caaagatatc tcgcatgctg gtgctaccta 360
 gagacgacgc agaagagcaa cagaataagc cagaaacgct actccgggtt gcatcatttt 420
 gtgtagggga gaaaatcgag cggttgcaatc tgaaatccac cttttcgag agttttgatc 480
 ggtcgttttg ttacctgac ctgccaaactt ccccatgctg ctattttttt ttgtgaccga 540
 gccatctcaa taattacaga ttttagtgca caagatgtat atgttcaaaa attggatgta 600
 gttgcaagca gcttgatttt 620

<210> 9088
 <211> 385
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-B3
 <400> 9088

tagnacgga gcggtcgccc tttttttttt tttttctaac aaaactgagt tctattttac 60
 aaaaattcat caaaattata ggactctgtc agatattggt aacattttat ttcctaaata 120
 atatgatata ggactcagtt ttgttagaaa aaaaaaaaaa aaaaaaaaaa aaaaggagag 180
 agggagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggaaaaa aaaaaacaaa 240
 caaaaaaat cctaaagtga aaaagttata aaaaatagaa ggggggtttt tttaaaaatg 300
 gccaggtggt ttaaaacctc aggcagtggg gaaaaccctg ttttttgggg cgctccatt 360
 ccttttttgg gcggtggccc ccttt 385

<210> 9089
 <211> 610
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-B4
 <400> 9089

ctgtctagca naaaagcctc gctttgccaa aatgtgattg gaatggccac attgcaggat 60

cctcatctgc cggcacaaaa gcagactata aattgctatt caggatgtcc atcgtctgca 120
 gaacttttcta gaatatggtc ctctgtttca gatattccta atgtagcacc tgagccaaac 180
 tgtgagcaag gaataagcat gatgagcatc agcgacagtg gtgtcagtaa tcaagataat 240
 gctgcagggg acagtatttt gttagatata gctagtgcaa cacttgtaag tgatattggc 300
 acttgtgaca agcttttggc aggttcctct tcaggagctg gagtgaacct acttccactg 360
 gctactggtc aaacagaaac agctggatct gtggattcca caccagataa ggttccttat 420
 acgccagata aagatatgtt cagtaaggac agcatatatg aagatttttg tgtggatgac 480
 gctgaccttg ctttcgaaaa ttatgaagaa ctctttggta cctctcatat tcaaacagaa 540
 caactctttg atgatgctgg aatagacatt tactttgaaa tgaaggaagc acctgctggg 600
 aattccactg 610

<210> 9090

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-K6-C11

<400> 9090

tgcgcttctt gcgctttttg cgagcgcaac aaatgcgttc attattccac aatgctcact 60
 tgcctcaagt tccattatta cacagttcct cccaccagtt acttcatggg cttcgaacac 120
 ccagctgtgc aagcctatag gctacaacaa gcaattgcgg cgagcgtctt acaacaacca 180
 atttccagct tgcaacaaca atccttggca catctaaca tacaaccat cgcaacgcaa 240
 cagcaacaac aattcctacc agcactgagc cacctagcca tggatgaacc tgccgcctac 300
 ttgcaacagc agttgcttgc atcaaacca cttgctctgg caaacgtagt tgcaaacag 360
 ccacaacaac agctgcaaca gtttctgcca gcgctcagtc aactagccat ggtgaaccct 420
 gccgcctacc tacaacagca acaactgctt tcacttagcc cgctcgctgt ggccaatgca 480
 cctacatacc tgcaacaaca attgttgcaa cagattgtac cagctctgac tcagctagtt 540
 gtggcaaacc ctgctgcta cttgcaacag ctgcttccat tcaaccaact gactatgtcg 600
 aactctgctg cgtacctaca acagcgacaa cagttactta at 642

<210> 9091

<211> 649
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-K6-C12

<400> 9091

atttgagctt cagaaaacac ctgagcgaac gcactagcaa cgacctaaca acaatggcta 60
ccaagnaatt atccctcttt gcgcttcttg ccccttttgt gagcgcaaca aatgcgttca 120
ttattccaca atgctcactt gctcctagtgc ccattattcc acagtctctc cctccagtta 180
cttcaatggg cttcgaacac ccagctgtgc aagcctacag gctacaacaa gcgcttgagg 240
cgagcgtctt acaacaacca attgcccatt tacaacaaca atccttgga catctaacca 300
tacaaccat cgcaacgcaa cagcaacaac aatttctacc agcactgagc caactagctg 360
tgggtgaacc tgctgcctac ttgcaacagc agttgcttgc atccaacca cttgctctgg 420
caaacatagt tgcatacaca caacaacaac aattgcaaca gtttctacca gcgctcagtc 480
aactagccat ggtgaaccct gccgcctacc tacaacagca acaactgatt tcatctagcc 540
ctctcgctg tgggttaatgc acctacatac ctgcaacaac agttgctgca acagattgta 600
ccagctctga ctgagctagc tgtggcaaac cctgctgcct acttgcaac 649

<210> 9092
<211> 398
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-K6-D1

<400> 9092

tccgcccng catatcacag tgacagacac gatggtgagc gccagaattg ttgtcctcct 60
cgccaccctc ctatgcgctg ccgccgcagt cgcgtcgtcc tgggaggacg acaaccacca 120
ccaccacggg gccacaagt ccgggcaatg cgtgcggcgg tgcgaggacc ggccttgga 180
ccagcgcccc cgggtgcctgg agcagtgcag ggaggaggag cgggagaagc ggcaagagcg 240
gagcaggcac gaggccgacg accgcagcgg cgagggctcg tcggaggatg agcgagagca 300
ggagaaggag aaacagaagg accggcgccc gtacgtgttc gaccggcgca gctttcgtcg 360

cgtgggtccgg agcgagcagg ggtccctgag ggtgctcc

398

<210> 9093

<211> 637

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-D11

<400> 9093

caccctcttg gcgnaagcga aaccaccgta caccgctgcc tccctctccc tgtctcgtct 60
cgtcgaacca gccgaggaag ccaacgcaga ccagcgatc ctcgtcgcgc gtcctcctcc 120
cccaggaggg aaggatggcg gagcccaaag cggcggcgcc gccgaggaag acgcgggtgg 180
gcccgtacga ggtcggcaag accatcggcg agggcagctt cgccaaggctc aagcacgcgc 240
gcgactcccg caccggcgcc gtccgcgcca tcaaggtgct cgaccgcaac cacgtcctcc 300
gccacaggat ggtcgcgagc atcaagcggg agatttcgac tatgaagctg atcaaacatc 360
ccaatgtggg acagctgcat gaggttatgg cgagcaaaac gaagatatac atggttcttg 420
aatttggtga tggaggcgag ctatttcgata agatcgtaa ttctggaagg ctaggagagg 480
atgaagctag gatatacttt catcaactta taaatgcagt tgattattgc catagccgag 540
gagtgtacca tagagacctg aagccagaga atttgettct ggattcaaatt ggagctctta 600
aagtttcaga cttcggccta agtgcatttg caccaca 637

<210> 9094

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-K6-D12

<400> 9094

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ctgcgacgcg gctgccaacg gcagcgcgcc ggcgtccgcg cgcgaggacg gtcgtcggct 120
gtcggggcgtg cgtggtgccg tgatctgcga cgaacggcgc gggcgaccgg gtctgtgaga 180
ctgcgacgga gtgacgccgg ccaaggacgt cgcgtggggt gcggccggcg cttcgccgtt 240
agccagatct gctacgtagc agaagggcag gcacgcgcag atcctctggc tgtcctgtcg 300

gcctcttctg cagctgttcc agacagtgga agcaactatt agacaagcca agtttaacag 360
 tacagtacac gtgaatactt cgccctcaag tcctgaaccc acacagccaa caaatacgtg 420
 tagtactcat cagatatatg gcacaggaga tgacgatgtt gctggttccg cagacgttga 480
 tgctgagtaa cgttgcagtg cttt 504

<210> 9095
 <211> 635
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-D2
 <400> 9095

ccanacagca aacggcagtg cgtagagagg atcgtcgaac agaacagcat gaagatggtc 60
 atcgttctcg tcgtgtgctt ggctctgtca gctgccagcg cctctgcaat gcagatgccc 120
 tgcccttgcg cggggctgca gggcttgtag ggcgctggcg ccggcctgac gacgatgatg 180
 ggcgcgcggcg ggctgtacct ctacgcggag tacctgaggg agccgcagtg cagcccgtg 240
 gcggcgggcgc cctactacgc cgggtgtggg cagccgagcg ccatgttcca gccgctccgg 300
 caacagtgtt gccagcagca gatgaggatg atggacgtgc agtccgtcgc gcagcagctg 360
 cagatgatga tgcagcttga gcgtgccgct gccgccagca gcagcctgta cgagccagct 420
 ctgatgcagc agcagcagca gctgctggca gccaggggtc tcaaccccat ggccatgatg 480
 atggcgcaga acatgccggc catgggtgga ctctaccagt accagctgcc cagctaccgc 540
 accaaccctt gtggcgtctc cgctgccatt ccgccctact actgattcat gatatttggg 600
 aaatctcttc tatccatctc tctctatcta tatat 635

<210> 9096
 <211> 303
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-E2
 <400> 9096

tgcttatttg cnagcagcaa tactactacc atttagccag ctagctgcag caaacctgac 60

ttcctttcttg acacagcaac agttgctgcc tttctaccag cagtttgagg ctaacccgc 120
aaccctctta caactacaac aattgttgcc ctttgtccaa cttgctttga cagaccagc 180
ggcctcctac caacaacaca tcattggtgg tgcctcttt tagattgctt attagttgta 240
attcaataat aaagtttttt ggatgatgta tgtggccaac cagaaataag aagttacatt 300
tcc 303

<210> 9097
<211> 627
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-K6-F12

<400> 9097

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gttgcccttg ctctcctggc gctcgctggc agcgccgcct ccagtacaag cggcggctgt 120
ggctgccaga caccaccgtt tcattctacc cctccgttct atatgccgc tccgttctat 180
ctgccgccgc agcagcagcc gcagccatgg caatacccca ctcaaccacc gcagctaagc 240
ccgtgccagc agttcggatc ctgcggcgctc ggcagcgctc gcagcccgtt cctgggccag 300
tgcgtcgagt tcctgaggca ccagtgcagc ccggcgggcga cgccctacgg ctgcaccag 360
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taccaggcga catacggtgt ggtcctgcag tccttctctc agcagcagcc gcagggcgag 480
ctcgcgggcgc tgatggcggc ccaggtagcg cagcagctga cggcgatgtg cggcctgcag 540
ctgcagcagc caggtccctg cccttgcaac gcagctgccg gcggtgtcta ctactgagga 600
aactatgtac tgtagtaata atgtaat 627

<210> 9098
<211> 614
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-K6-F3

<400> 9098

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 aggtggcgcc gcggtccgtt acgttcctgc cgttcgggag cggcgtgcac gcgtgccccg 180
 gcaacgacct ggccaagctc gagatgctcg tctcatcca ccgcctcgtc accacctaca 240
 ggtgggaggt ggtggggctg agcgacgaag tgacctacag cccgttcccc gtgccgaaac 300
 gcggcctcct ggcgaggctc agcagggcca ccaccggcag cgcggtcgtc ggccgtgcgc 360
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 gcaatgcatg caaccaagca cccacgagat agataggccc ggcaggcggc aggggacgac 480
 gacacacaca tgcagacatc gtccagtcac gtggcagtag caagctagta ctactactac 540
 tgtgtgtgct gccattctgc atgcattgag ttcctctcat tctcgtgttc cttcatggca 600
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<210> 9099

<211> 628

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-F5

<400> 9099

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 actgatcttg aggcgatatt ggtcaaggat cgcgttctta caaatgagtg tgttgataaa 180
 ataattgggt ttgctttgag ccatcaactt aagaactgta caaatccaga ccccccttg 240
 agtaatgtgc agtttgttct atccagcgaa agccttaagc atggtattga catgttgga 300
 agtatccagt ctggctcgaa gagcagcact aaaaggaaat cactgaagga tattgctact 360
 gtaatatgag tttgaaaaga ggcttcttgc agatgttatc cctccacatg aaatcggtgt 420
 tacctttgag gacattggag ctttagaaag tgtcaaagat actctgaagg agttagtgat 480
 gcttcctttg caaagacctg aactttttaa ccgaggacaa cttatgaagc cgtgtaaagg 540
 aattttactt tttggccac ctggtactgg aaagacatgc ttgctaaggc tgtggcanac 600

tgagctggtg ctaatttcat taaacata

628

<210> 9100

<211> 649

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9100

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gcggccaaagn aattttccat ccttatgctc cttgctcttt ctgcatgtgt tgctaacgcg 120
accatttttc ctcaatactc acaagctcct atagctgccc ttcttcccc ataccttcca 180
tcaatgaccg cttcagtttg tgaaaaccca gcccttcaac cctacaggct ccaacaagca 240
atcgcaacaa gcaacttacc tttatcacc ctgttctttc aacaatcgcc agccctatct 300
ttggtgcagt cattggtaca aaccatcagg gcacaacagc tgcaacaact cgtgctacca 360
gtgatcagcc aagtagctct ggcaaaccct tctccctact ctgagcaaca acaatttctt 420
ccattcaacc aactgtctac actgaaccct gctgcttatt tacaacaaca acaactacta 480
ccattcagcc agctagctac tgccctactct cagcagcaac aatttcttcc atttaaccaa 540
ttggcgcgac tgaacccctc tgcttatttc cagcagcaaa tactactacc atttggccag 600
ctagctacaa caagccccac ttcttttttg aaacaacaac aattgcttc 649

<210> 9101

<211> 515

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-K6-G12

<400> 9101

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caactagcca tgggtgaacc tgccgcctac ctacaacagc acaactgct ttcactagc 120
ccgctcgctg tggccaatgc acctacatac ctgcaacaac aattgttgca acagattgta 180
ccagctctga ctgagctagt tgtggcaaac cctgctgcct acttgcaaca gctgcttcca 240
ttcaaccaac tgactatgtc gaactctgct gcgtacctac aacagcgaca acagttactt 300

aatccactag cagtggctaa cccattgggtc gctgccttcc tacagcagca acaattgctg 360
ccatacaacc agttctcttt gataaaccct gtcttgctga ggcagcaacc catcgttgga 420
ggtgccatct tttagattac atatgagatg tactcgataa tggtgccctc attccggcat 480
gtgttttcta gaaataatca atatattgat tggggg 515

<210> 9102

<211> 643

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-G2

<400> 9102

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atthttgctc attatgctcc ttgggtctttc tgcaagtgtc gctacggcga gcattttccc 120
gcaatgctca caagctccta tagcttccct tcttccccca tacctctcac cagcgatgtc 180
ttcagtatgt gaaaatccaa ttcttctacc ctacaggatc caacaggcaa tcgcagcagg 240
catcttacct ttatcacctt tgttcttcca acaatcatca gccctattac agcagttacc 300
tttgggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac tcgtgctagc 360
aaaccttgct gcctactctc agcaacagca gttacctttg gtgcatttgt tggcacaaaa 420
catcagggca caacaactac aacaactcgt gctagcaaac cttgctgcct actctcagca 480
acaacagttt ctgccattca accaactagc tgcattgaac tctgctgctt atttgagca 540
acaacaacta ctaccattca gccagctagc tgctgcctac ccccggaat ttcttcatt 600
caaccaactg gcagcattga actctcatgc ttatgtacaa caa 643

<210> 9103

<211> 627

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-G4

<400> 9103

ttcgtccgca gnaacacacc tagcgcaacg cactagcaac gacctaacaa caatggcttc 60

caagacatta tccctccttg cgtttcttgc cctttttgtg agtgcaacaa atgcgttcat 120
 tattccacaa tgctcacttg ctccgagtgc cattattcca cagttcctcc ctccagttac 180
 ttcaatgggc ttcgaacacc cagctgtgca agcctatagg ctacaacaag cgcttgcggc 240
 gagcgtctta gaacaaccaa ttgcccatt acaacaacaa tccttggcac atctaaccat 300
 acaaaccatc gcaacgcagc agcaacaagc actgagccac ctagccgtgg tgaaccctat 360
 cgcctacttg caatattttt tgcttgcac caaccactt gctttggcaa acgtatctgc 420
 ataccaacaa caacaacagt tgcaacagtt tctaccagcg ctcagtcaac tagccatggt 480
 gaaccctatc gcctacctac aacagcaaca acttctttca tctagccgc tcgctatggg 540
 caatgcacct acatacctgc aacaacagtt gttgcaacaa cagttgctgc aacaaattgt 600
 accagctctt actcagctag ctgtggc 627

<210> 9104

<211> 355

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-G5

<400> 9104

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 tgggtcttggc tgcgccagggg gggtcaccca acacagtcaa gacgccatgc agctgctgcc 120
 atttcagatc cttttttttt tgttggcccg atgaaactcc aaatcccggg gggggggggc 180
 ggaagtcttg acaactttta tattcaaaaa agagaatcat gagcgcaata tatccatgac 240
 aagttagttg ttaagagatg ttcacgtggg aactttgtgt agtttctaca atacgacact 300
 caccagtgat tcacttcggc gcngtggggc tcttgtgtat ttgttacagg aaggg 355

<210> 9105

<211> 619

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-H1

<400> 9105

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ttctccgctt ttgcatgcat ggcaggttgt ctncctgact aaagacatgg accaaatacg 60
taacatttct cgtcctgtgg atgttctctga tgttggtctc ctatgtgac tggtatggtc 120
ggaccctgat aaggagattg ataggtgggg tgagaatgac aggggtgttt cctacacctt 180
tggagctgac gtagttgccg agtttcttca gaaacatgat ctagatttga tctgcagggc 240
ccaccaggtc gtagaggatg gttatgaatt tttcgcaaaa cgccagcttg taacaatatt 300
ctcagcaccg aactactgtg gagagtctga caatgctggg gcactgatga gcattgacaa 360
ctccctagta tgctcgttcc agatactcaa gccttctgag aagaaaggaa aagcaggaaa 420
tgggaacatg ccaaagcccg gtacacctcc caggaagata aaaataagtg ttacccatat 480
ttagccaggt tctcgtctatc aatctgcatt tgcgaagttg tgattaagtg tcccccaaa 540
cttgtggtaa gttttttttt tggtagctt aacacgattt taaactgtgg accatcgtgc 600
ctcatgtctt tctgatctg 619

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<210> 9106

<211> 591

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-H10

<400> 9106

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cttcgectca agaagtgctg caagatcggc gttacaagaa ccgggagctg caacttatgc 120
gtgccatgga gcaccccaac gtcactctgc tgaagcactg cttcttctcg acaacgagca 180
gggacgaatt gtttttaaac cttgtcatgg aattcgtccc tgagactcta taccgagtcc 240
tgaagcacta cagcaatgcg aaccagagga tgcctcttat ctacgtcaag ctctacatgt 300
atcagctttt tagaggccta gcttatattc ataatgtacc aggagtctgc catagggatg 360
tgaagccaca aaacgttttg gttgatctc tcaccacca ggtcaagctc tgtgactttg 420
gtagtgcaaa agttctgatt cctgggtgaac cgaacatatc ttacatatgn ctctcgttac 480
tatcgtgccc ctgagctcat atttggtgcg acggagtata caagttcaat agacatatgg 540
tcagctgngt tgtgttctag ctgagttgct tcttgacag ccactatttc c 591

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<210> 9107
<211> 625
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-K6-H2

<400> 9107

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attcctctaa gacggcttat aacagctttt ggaacgggtac aacatccttt gagccggcta 120
aaagaattgg aagagttggg ctccctccaa atgtaaattc ttcatttggc tagcctctct 180
caatcggtgt tggacggctg acagattggc cgggaggt atggatcatc atgacaaatg 240
cctattttgc gatcaacagg aagaaacagt ccagcatatt ttgctctctt gtgtgttctc 300
cagaaacatt tgggtggcggg tgtggtgtaa agtggggatg caacatctgg cacctgggcc 360
tgaggacatg attttccaag attggtggag caatgctgaa gggcagggtc ctaaagagaa 420
gagaaaaggt tttaacacgt tggtaatcct tgtggcttgg tggctgtgga aacatcgaaa 480
cacttggtgc ttcgagggag cttccccgag cactagagat atcctgcagc acatccatga 540
ggatgctatg ctgtggggta tggccgngc tagagggtt aagggttat ggccttaagt 600
ctaggagggt ctgctgttgt gtcac 625

<210> 9108
<211> 614
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-K6-H6

<400> 9108

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caaaccgct ccaggctggc tggatgatat caccgacggc gctgtggaat acatgcctga 120
ggatgagggtg aagagtgtgg ctgccgagca gctgaagatc tccatggaga ggattgcctt 180
gctcaaggca gccaggccaa aggtcccacc cgcaaagacc gatcaagagg aggaagagga 240
gcgaaagcag agcgaggaac tagatgggtt tggaaacccc aaggccctc gacgctctcc 300
aagctcaccg cggaggaggc tgagcaccgc gctctccagg ctgccgtgct tcaggagtgg 360

caccagctat gcaaagagag agccatgaaa gcgcagtgag gtcgatttgg accgtgtgga 420
tcttacgcgc atgtataatt ttgtatTTTT tcttcgtctc ccattctttg cgtgtctata 480
ctgctgggtt cactcactgt ataccgtcgc cgatttggtc attgtattct caaataacttg 540
tgcacgaaaa aactgttttg taacatacta ctggttagggc.gtttttaagc ttcgggtgtga 600
agatcgattg taca 614

<210> 9109

<211> 494

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-H9

<400> 9109

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cagcaatttc ttccattcaa ccaactggca gcattgaact ctctgtctta ttacagcag 120
caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgatacaa 180
ccacagttgt tgccgttcta ccagcacgct gcgcctaacg ctggcaccct cttacaactg 240
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cccatcattg gtggtgccct cttttagatt tcttatgagt tatagttcaa taataaagtt 360
ttttgtctga tgtttgtggc ttcccagaaa taagaaagta ctttctnan naaaaaaaaa 420
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
aggggaggcc cgtt 494

<210> 9110

<211> 535

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-A4

<400> 9110

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acccaactat acaatcctac aggttacaag aggccatcgc agcaagcatc ttacggtcgt 180
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 tagttgcagc gaaccttgct gcttacctcc agcaacaaca atttcttcca ttcaatcaac 360
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 ttgctttgac aaaccagca gcgttctacc aacaacccat cattgggggt gccctctttt 480
 agatttctta tgaggtatag ttcaataata aagatttttg tctgatgttt gtggc 535

<210> 9111

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-A6

<400> 9111

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 gggtgaaaat agtgaaagtc ctttaacaaa aaatcaaagg tacgaaaacc ggacgcgtgg 240
 ggggccccctg taaagatggc accgttacct gcacgcgcac ccgatttctt aattcttagt 300
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<210> 9112

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-B3

<400> 9112

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 aaaattcatc aaaattatag gactctgtca gatattgtta acattttatt tcctaaataa 120
 tatgatatag gactcagttt tgtagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaacccg gcacccccaa 240

aaaaaacaag ggggcaacct tggttaaaaaa accgcccccc tgggggtcaaa aaaaaaaaat 300
 tgggggcgcgc ccccaagggg aaacccccctc cctttgcccc caaaataaca tccgggggggc 360
 gcccggtgta accccttttt tttagaaaa aagggtta 397

<210> 9113
 <211> 602
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-C6

<400> 9113

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 tgctgcctac tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc 420
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 gcaatttctt acattcaacc aactggcagc attgaactct cctgcttatt tacagcagca 540
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 ac 602

<210> 9114
 <211> 541
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-C7

<400> 9114

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 tgttccagcc gctccggcaa cagtgtgcc agcagcagat gaggatgatg gacgtgcagt 180

ccgtcgcgca gcagctgcag atgatgatgc agcttgagcg tgccgctgcc gccagcagca 240
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accccatggc catgatgatg gcgcagaaca tgccggccat ggggtggactc taccagtacc 360
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gattcatgat atttgggaaa tctctcttat ccatctctct ctatctatat atgtaataat 480
gcagtaagac gacacacatt atcatgtgtg gtatgaccaa taatatatgc atggtcataa 540
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<210> 9115

<211> 506

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-D12

<400> 9115

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cgcatgacac ccagctgaca aggcagagcg ccaaggggaac gaacgcgagg actgtgggtca 120
ggctgtagac catatcagtg gatgccttga aacagcgacg agacgtggcg ctcgaaccga 180
gtgcttgcac actgtaactg agagacacca accaaaggcg tatcttgggg tgaagcccac 240
actataccgc tagccatata tgacaagcat aaaaacgtac gcccacaca gtaccgggga 300
aggccaaca ggaactctac atgcaactgg gatagacacc aaaagcgact cttagacaac 360
aaaagcgga cagcacagct cagcggaata cgtgtccaaa aaactctgaa cccactcagc 420
caacaaatac tggggaacca tcatcatata tatgggtccag tgacatgaat atgatgaggg 480
ctacacatac ttggatgctg agtaac 506

<210> 9116

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-D2

<400> 9116

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 atgatgggcg ccggcgggct gtaccctac gccgagtagc tgaggcagcc gcagtgcagc 240
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 ccagctctga tgcagcagca gcagcagctg ctggcagccc agggctctca ccccatggcc 480
 atgatgatgg cgcaaaacat gccggccatg ggtggactct accagtacca gctgcccagc 540
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<210> 9117
 <211> 468
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-111-Q1-N6-E3
 <400> 9117

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 caggagactc gcgcgacaca tcaccagaac cgcgcgggta ccgcaggtcc cagcctatgc 240
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<210> 9118
 <211> 520
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-N6-E6
 <400> 9118

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 cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa caactactac 180
 cattcagcca gctagctggt gtgagccctg ctaccttctt gatacaacca cagttgttgc 240
 cgttctacca gcacgctgcg cctaacgctg gcaccctctt acaactgcaa caattgctgc 300
 cattcaacca acttgctttg acaaacccag cagcgttcta ccaacaaccc atcattggtg 360
 gtgccctctt ttagatttct tatgagttat agttcaataa taaagttttt tgtctgngga 420
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaannanaa nncnncnnnn aggggataat 480
 aaaaaaaaaa aaangngggg gggggggggc cgggggggacc 520

<210> 9119

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-E8

<400> 9119

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 caaataaatc gcttaaaact gtctacagcc ataccaaaat gcaactgctg tgctgattgg 180
 cagtctacaa ccaagacagg ctcaacattt tagaaccgag tcttgctact ctgagctcat 240
 gctcgcatat gtgccttctg tgggaacact gtgcttgaat ccatgtcaac ctgtaggatg 300
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<210> 9120

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-E9

<400> 9120

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tccaaggaca cttttctacc atgcattcct aaagctaaca atagcccata tggctagctg 180
cacacgttgg cgcactcctt atatccaaag ggcaaaggtt gtctccatag tcgaacaaag 240
ggcaagctca atttctaccg ataatccaca tgcgagagcg tcgcataga cataatccat 300
aaaagatgtc gaccctcagg tccgaaagtc ttgcctgatg gtgacgcctg gtttctgat 360
cgggaccaga ctatacact gccaggtgca cactttcacg tgccaagact gctgactgac 420
tgactgaaga tgcagccctt acacacggat ctagatctat ggccatcagc ttcttggaa 480
attgccatag ctaccatctg cataa 505

<210> 9121
<211> 489
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-111-Q1-N6-F3
<400> 9121

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tgcaaggtat cccaatgata gaccacatat tcttatgttt gtaagcgacc tacgcgcaag 180
ccccggaggg aacctatgca atctaggaat actagaacta atagaaacgc ttgcctccac 240
atacaggtgg cacagagtgg ggtagaacta gcattgtgta cctgacacgc cgactcggac 300
gatcctctaa cacgtgtctg tggcgaggct cagcaggctc accagcctat gtatggtctg 360
ggtgcttgcg cgcattgctt gcattttagg accagcaggt acttattatt agtagctgct 420
gggaccacaa tgtacagcat gcacccaagc gccacgaga gagctagccg cggtaggcct 480
gatgagact 489

<210> 9122
<211> 399
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-N6-F6

<400> 9122

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actatgtcga actctgctgc gtacctacaa cagcgacaac agttacttaa tccactagca 180
gtggctaacc cattggctgc tgccttcta cagcagcaac aattgctgcc atacaaccag 240
ttctctttga taaaccctgt cttgtcgagg cagcaacca tcgttgagg tgccatcttt 300
tagattacat atgagatgta ctogataatg gtgccctcat tccggcatgt gtctctaga 360
aataatcaat atattgattg agatttatct caatntntt 399

<210> 9123

<211> 299

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-G6

<400> 9123

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tttacaacgg ggggaaaggg aaaacccttg agaaacccaa ataaatagcc ttgcagaaca 120
ttaacacttt aaagcatgtg gtgtaataat ggaagaggct aactacacaa taattctttc 180
caacattatg tgccaccctt taaaggcgaa taaaacgcgc cctgaagtgg attattaaat 240
goggcaactg tgggggatac gcgcattgtg aattgtacac cttgggaggc ttctatttc 299

<210> 9124

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-H10

<400> 9124

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gagaccttcg ccatcaagaa gtgctgcaag atcggcgcta caagaaccgg gagctgcaac 120
ttatgcgtgc catggagcac cccaacgtca tctgcctgaa gcactgcttc ttctcgacaa 180
cgagcaggga cgaattgttt ttaaaccctg tcatggaatt cgtccctgag actctatacc 240

gagtcttgaa gcactacagc aatgcgaacc agaggatgcc tcttatctac gtcaagctct 300
 acatgtatca gctttttaga ggcctagctt atattcataa tgtaccagga gtctgccata 360
 gggatgtgaa gccacaaaac gttttggttg atcctctcac ccaccaggtc aagctctgtg 420
 actttggttag tgcaaaagt ctgattcctg gtgaaccgaa catatcttac atatgctctc 480
 gttactatcg agcccctgag ctcatatttg gtgcgacgga gtatacaagt tcaatagaca 540
 tatggtcagc tggttgtgtt ctagctgagt tgcttcttgg acagccacta tttccaggag 600
 agagcgctgt 610

<210> 9125
 <211> 90
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-A1
 <400> 9125

ccagtgettg caacgttttc agctcttttt tgagggcccc cgtaatttca tttccttggt 60
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<210> 9126
 <211> 644
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-A10
 <400> 9126

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 caatgtctgc aagctcttat agcttccctt cttccccgt acctctcacc agcgggtgtct 180
 tcggtatgtg aaaacccaat tcttcaacct tacaggatcc aacaggcaat cgcagctggc 240
 atcttacctt tatcaccctt gttcctccaa caatcatcag ccctattaca acagttacct 300
 ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
 aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact aggttcattg 420
 aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480

ccccagcaat ttcttccatt caaccaacta gcagcattga actctcctgc ttattttacag 540
cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca 600
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<210> 9127

<211> 624

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-A6

<400> 9127

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gatattttcc atccttatgc tccttgcctt ttctgcatgt gttgctaacg cgaccatttt 120
tcctcaatac tcacaagctc ctatagctgc ccttcttccc ccataccttc catcaatgac 180
cgcttttagta tgtgaaaacc cagcccttca accctacagg atccagcaag caatcgcaac 240
aagcaactta cctttatcac acctgttctt tcaacaatcg ccagccctat ctttggtgca 300
gtcattggta caaaccatca gggcagaaca gttgcagcaa ctctgctac cagtgatcag 360
ccaagtagct ctggcaaacc tttcccccta ctctcagcaa caacaatttc ttccattcaa 420
ccaactgtct atactgaacc ctgctgctta tttgcagcaa caacaactac taccattcag 480
ccagctagct actgcctact ctacagcagca acaatttctt ccatttaacc aattggccgc 540
actgaacccc tctgcttatt tccagcagca aatactacta ccatttggcc agctagctac 600
aacaagcccc gcttcttctt tgac 624

<210> 9128

<211> 632

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-A7

<400> 9128

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cgccgcgggt tcctctaccg ccgccggtgc atctgccacc tccggttcac ctgccacctc 120

cgggtgcatct cccaccgccc gtccacctgc cgccgcccgt ccacctgcca ccgcccgtcc 180
 atgtgcccgc gccggttcat ctgccgcccgc caccatgcca ctaccctact caaccgcccc 240
 ggctcagcc tcatccccag ccacacccat gcccggtgcca acagccgcat ccaagcccgt 300
 gccagctgca gggaacctgc ggcgttggca gcaccccgat cctggggccag tgcgtcgagt 360
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 tgcggcagca gtgttgccag cagctcaggc aggtggagcc gcagcaccgg taccaggcga 480
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 ggctgttggc ggcgagata gcgcagcaac tgacggcgat gtgcggcctg cagcagccga 600
 ctccatgccc ctacgtgctt gccggcggtg tc 632

<210> 9129
 <211> 624
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-A8

<400> 9129

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 tccacagtgc tcaattgctc ctagtgccat tattccacag ttctctccac cagttacttc 180
 aatgggcttc gaacatccag ccgtgcaagc ctacaggcta caactagcgc ttgcggcgag 240
 cgcttataaa caaccaattg cccaattgca acaacaatcc ttggcacatc taaccctaca 300
 aaccattgca acgcaacaac aacaacaaca acagtttctg ccatcactga gccacctagc 360
 cgtggtgaac cctgtcacct acttgcaaca gcagctgctt gcatccaacc cacttgctct 420
 ggcgaaagta gctgcatacc agcaacaaca acagctgcaa cagtttatgc cagtgtcag 480
 tcaactagcc atgggtgaacc ctgccgtcta cctacaacta ctttcatcta gcccgctcgc 540
 ggtgggcaat gcacctacgt acctacaaca acagttgctg caacaaattg taccagctct 600
 gactcagcta gctgtggcaa accc 624

<210> 9130
 <211> 646
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-A9

<400> 9130

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 ccttatgctc cttggctctt ctgcaagtgc tgctacggcg accattttcc cgcaatgctc 120
 gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
 tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgagctg gcattcttacc 240
 tttatcacc ttgttctctc aacaatcatc agccctatta caacagttac ctttggtgca 300
 tttattggca caaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgctactct cagcaacagc agtttcttcc attcaaccaa ctaggttcat tgaactctgc 420
 ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgct acccccagca 480
 attttctcca ttcaaccaac tagcagcatt gaactctct gcttatttac agcagcaaca 540
 actactacca tttagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 600
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<210> 9131
 <211> 515
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-B1

<400> 9131

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 gtgggcgtgc acgcgtgccg ccgcgcgggg gtggggcccg tgacgggcgt gctcgtggtg 120
 ggcgcgggcc ccatcggcct ggtgtcgtg ctggcggcgc gggccttcgg cgcgcgcgc 180
 gtggtggtcg tggacgtgga cgatcaccgt ctggccgtgg ccagggttgtt gggcgcggac 240
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 tcggccatgg gcttggacat cgacgtcagt ctggactgcy ccgggttcag catgaccatg 360
 tttaggtgct tggacgcgac gctgccctgc ggtaagggtg gcctgggtctg gatgggtctc 420
 aatgagatga cctgccccct gacgggtggag gcgtctcttt aggtgcactt tgtgggcgtg 480

tcccgggtcaa ggacacctgg caactgggtca ttgtc

515

<210> 9132

<211> 637

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-B11

<400> 9132

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aatcaataag cagctgatga tgtgttcaaa aatcgggaatt gcacagaatg tcacacagtg 120
aactgctgat attggattaa catgcaatct gtgctccgtg atgctgggtg cagctatgtc 180
agtatatattt tacagtgcaa aacaaattaa cttgaaatca agcattccct ttcctaaatt 240
ggaaattatg tgaaccaagg ttctggaatt cgggagcggg actgctgcat cttgtggtag 300
tgtaaccatg cattgatgtg tgtttggttc aatgggtcag aggagatcga ttgcgattac 360
ctgcactacc tgtcatgtac gggcgctcgt acgccaggca gcgtcgcgcc cgtgacaggc 420
gccgcgcaca ggagcgcgat ctgggagatc agcaggaacc tatggaaagc agtggccagg 480
aaggaaatta gaagaatgga aagttgaggg aaggaaagga gagattgatt agtgattgat 540
taagtgattg attagtgatt gattagtgtt accatgttta ggcttgcccta aaataaaggc 600
tctaggacag cnagccgatg gctatatatg cggcaca 637

<210> 9133

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-B2

<400> 9133

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tggtaccaa gatattagcc ctcttgccgc ttcttgccct tttagtgage gcaacaaatg 120
cgttcattat tccacagtgc tcacttgctc ctagtgccag tattccacag ttcctccac 180
cagttacttc aatgggcttc gaacatccag ccgtgcaagc ctacaggcta caactagcgc 240

ttgcggcgag cgccttacaa caaccaattg cccaattgca acaacaatcc ttggcacatc 300
 taaccctaca aaccattgca acgcaacaac aacaacaaca gtttctgcca tcaactgagcc 360
 acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
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 tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcacttagcc 540
 cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
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<210> 9134

<211> 629

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-B4

<400> 9134

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 caatgtctac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
 tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240
 atcttaccat tatcaccctt gttcctccaa caaccgtcag cctattaca gcagttacct 300
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 aaccttgtgt catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420
 aactctgtgt cttatttgca acaacaatta ccattcagcc agctagttgc tgcctacccc 480
 cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta ttacagcag 540
 caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgacacaa 600
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<210> 9135

<211> 622

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-B6

<400> 9135

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cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaattata 180
gcttcaatat gtgaaaaccc agctcttcaa ccatataggg ttcaacaagc aatcgagca 240
agcaacatac ctttatcgcc cttgttggtt caacaatcgc cagccctatc tttggtgcag 300
tcattggtac aaaccatcag ggcacaacag ctgcagcaac tcgtgctacc tctgatcaac 360
caagtagctc tggcaaacct ttctccctac tctcagcaac aataatttct tccattcaac 420
caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc atttagccag 480
ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
aaccgcgtg cttatttgca gcagcaaata ctactaccat ttagccagct agctgcagca 600
aaccgtgctt cttcttgac ac 622

<210> 9136

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-B7

<400> 9136

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gcaggactat gagaagacta aggcaaactt tgataagaag gagagcacia gctcaaagaa 180
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gtgttaggtc cccaattagc ttactgtttt gctgccttta aatgttaagt tgtttcaaac 360
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gaaaaagccg aatgctgcta gctgttctgt tgcttttctt ttgctaacca cttgtgtcac 480
aactttctgt acctgcttca ttgactaatc tagtgactag tcagttattg gttca 535

<210> 9137
 <211> 541
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-B8

 <400> 9137

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agtcggcggg gccaaagagt gaaagggcag gatgaagtcc ggcgagcggc cgaagcagat  120
gcgggggcgtc cggcaggaat ctcggcggtt ccggcttctg gtcacgctcg ccggcttctt  180
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gccccccgcc accgcacttg agacctccac cgacgcactg cgtggagacc ctagagtggg  360
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cggccgtaaa tccaacgagn aggtgctagg cggcggaagt gaccgcgagg ggaaaagtaa  540
g                                                                 541
  
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<210> 9138
 <211> 583
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-B9

 <400> 9138

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atggtatgaa cagggagtgg agcatcaaga gccacgagct ctctctccag ctaaacagtg  180
tcgttcttcc acttggtctg cttcggggtt ggctgtcgcg gcacagatca ctgctattta  240
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gcttagccct tgagcagatt aatggtggat atgagaacaa aaatactatt ggaggatgct 540
catctgggtca cagttctatt ttagcgctca cgagttcaca cct 583

<210> 9139

<211> 508

<212> DNA

<213> Zea mays

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<400> 9139

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aacggggggg cccagcatat gatacctgtc tgcgcttttc gccctcgtcg tgagcgcgac 120
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ggggcggggc tcaatcgctt tgggcaccca ctgggcaagc ctacttgcta caactagcgc 240
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gtaacaatac aggaccattg gaacgcatca gcgacaacat tggctaccat ccatgagcgc 360
aatagagtgg gaaaaccctg tcgtctactt ggaacatcag gagaaggcat caaaccact 420
agatctggca aatatagttg cctaccaact acaacatcaa ttgcaacagt ttataccaga 480
gctaagtga ctagccatgg cgaaccct 508

<210> 9140

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-C3

<400> 9140

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caattacaac aacaatcctt ggcacatcta accatacaaa ccatcgcaac gcaacagcaa 180
caacaatttc taccagcact gagccaacta gctgtggtga accctgtcgc ctacttgcaa 240

cagcagttgc ttgcatccaa cccacttget ctggcaaaca tagttgcata ccaacaacaa 300
 caacaattgc aacagtttct accagcgctc agtcaactag ccatgggtgaa ccctgccgcc 360
 tacctacaac agcaacaact gatttcatct agccctctcg ctgtgggttaa tgcacctaca 420
 tacctgcaac aacagttgct gcaacagatt gtaccagctc tgactcagct agctgtggca 480
 aaccctgctg cctacttgca acagctgctt ccattcaacc aactgactgt gtcgaactct 540
 gctgcgtacc tacaacagcg acaacagtta cttaatccac tagcgggtggc taaccattg 600
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<210> 9141

<211> 626

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-C7

<400> 9141

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 ctttctcccc cgtacctctc accagcgggtg tcttcgggtat gtngaaaacc caattcttca 180
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 cagggcacia caactacaac aacttggtgct agcaaaccct gctgcctact ctcagcaaca 360
 gcagtttctt ccattcaacc aactagctgc attgaactct gcttcttatt tgcaacaaca 420
 acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc cattcaacca 480
 actggcagca ttgaactctc ctgcttattt acagcagcaa caactactac cattcagcca 540
 gctagctggt gtgagccctg ctaccttctt gatacaacca cagttggtgc cgttctacca 600
 gcacgctgag cctaacgctg gcaccc 626

<210> 9142

<211> 619

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-D10

<400> 9142

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agtttgagga ctacttcata acgttgcgag cttggaggct tgatggccag tgcacagagc 180
tgtgtgtaaa agcacatgca ttgaagggtc aatcatgtgc tcaccacagg ctagtgggtg 240
gtgatggctt tgtgactatg acaaagggtg aaagtattag aaatttcttt gagcatgctg 300
aagaggccga ggaagaggat gaagacgatg ccatggacag ggatggaaat gattttgatg 360
gtgatgatgc ccattcacag aagcatgcca agagccctga actggcaaga gaatttcttt 420
tggatgctgc tgctgtgata ttcaaagaac agattgagaa ggccttcagg gaaggtacag 480
cacagcaaaa tgcacgtagt gntttttgtg acccttgctt taaaactttt ggaacagcga 540
gttcatgtag catgcaaaga aataattacg ttggaaaaac agaacaaact tcttgaagaa 600
gaggagaaag aaaagcgtg 619

<210> 9143

<211> 541

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D12

<400> 9143

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aaaggggata cagtgggtcga tgccacatgc ggccatgcgg gaatgacaat gacacgctcg 180
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aagaatctgc gacagagaat acttcctctt ttctgaaaat ggccgtggat gatgaacatc 300
atgtgtgggt ttgaactatg aagcttttac ctaatttccc ctgaagaatg aaatagaaag 360
gagacactta tgaattctga tttgacatta ttatttacta ttcagataca gaggatactt 420
gtcatcttct cactgaatat ttgatataac tgtacctgtc attgtatttg ttttatgtgg 480

cagcagggac tggtaaaact atttcctata tggcatagat agaatggaag agattgttcc 540

c 541

<210> 9144

<211> 632

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D3

<400> 9144

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cacaagctcc tatagcttcc tttcttcccc catacctctc accagcggtg tcttcagtat 180
gtngaaaacc caattcttca accctacagg atccaacagg caatcgcagc aggcatctta 240
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catttggttg cacaaaaacat caaggcacaa caactacaac aacttggtgct aggaaacctt 360
gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactggctgc attgaactct 420
gctgcttatt tgcaacaaca actaccattc agtcagctag ctgctgccta cccccagcaa 480
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ctaccaccat tcagccagct agctgatgtg agaccctgtt gccttcttga cacaacaaca 600
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<210> 9145

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D4

<400> 9145

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tttatcacc ttgttctctc aacaatcatc agccctatta cagcagttac ctttgggtgca 180

tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 240
 tgectactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 300
 ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 360
 atttcttcca ttcaaccaac tgacagcatt gaactctcct gcttatttac agcagcaaca 420
 actactacca ttcagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 480
 gttgttgccg ttctaccagc acgctgcgcc taacgctggc accctcttac aactgcaaca 540
 attgctgcc a ttcaaccaac ttgctttgac aaaccagca gcattctacc caacaacca . 600
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<210> 9146
 <211> 624
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-D5
 <400> 9146

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 tggettcaat tcaacagcag cttgcatctt tgaaacttaa agatgcacca gtcattggtg 180
 cctttaatcc tgtgaaggga gagatagtc ttcacaatt tagccttgac aactcctgga 240
 acagagctat gattgttaat ggacctcgct ctgtagaatc tctaaacgac aagtttgaag 300
 tattctatat cgactatggc aaccaagagg tggttcccta cagtcgtcta cgaccctggg 360
 acccatctgt ttctcttctt cctgctcttg ctgagttatg cagccttgct ttcataaaag 420
 tgcccagtct tgaggatgac tttggtcagg aagcagcaga gtatctaagt gaatgtttgc 480
 tcagtagctc aaagcaatat cgggcaatga tcgaagaacg tgatgcttct gggggaaaat 540
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<210> 9147
 <211> 632
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-D6

<400> 9147

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agctcctata gctgcccttc ttccccata ccttccatca atgaccgctt cagtttgtga 180
aaaccagcc cttcaaccct acaggctcca acaagcaatc gcaacaagca acttaccttt 240
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catcagggca caacagctgc aacaactcgt gctaccagtg atcagccaag tagctctggc 360
aaacctttct ccctactctc agcaacaaca atttcttcca ttcaaccaac tgtctacact 420
gaacctgtct gcttatttac aacaacaaca actactacca ttcagccagc tagctactgc 480
ctactctcag cagcaacaat ttcttccatt taaccaattg gccgcactga acccctctgc 540
ttatttccag cagcaaatat tactaccatt tggccagcta gctacaacaa gcccacttc 600
ctttttgaaa caacaacaat tgcttccgtt ct 632

<210> 9148

<211> 78

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D7

<400> 9148

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aaaaagaaat acatttct 78

<210> 9149

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D8

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cgtggaggga aggccatccg accagctggg caggagaaac ctactgaca gccccgtatt 180
tgacggccgt ggccctgacg ccagcctcgt ggctcgcgta caggagtcg ctaccagat 240
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cgggaactcc gacgagcttg ccgtggaggt tctctgcccg gtgttccgcc cggcggcgtt 480
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ggtcggagtg tgggggtggag aggggagggg cggcgcagga catcgcgacg acggagccgc 600
cgaggcgtct gcagagcctg accgtccgcg cgggcgttgc cgtggact 648

<210> 9150

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-E10

<400> 9150

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ccagggcaact tgccaccagt catgccattg ggtaccatga acccatgcat gcagtactgc 180
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ttggccttac cgcttcagac gatgccagt atgatgccac agatgatgac gcctaacatg 300
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caaatgatga tgccacaatg tctctgcgac gccgtctcgc agattatgct gcaacagcag 420
ttaccattca tgttcaaccc aatggccatg acgattccac ccatgttctt acagcaaccc 480
tttgttggtg ctgcattcta gaatagaaat atttgtgttg tatcgaataa tgagttgaca 540
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<210> 9151

<211> 642

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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<400> 9151

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gctcctatag ctcccccttct tcccccgtag ctctcaccac cggtgtcttc ggtatgtgaa 180
aaccgaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
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<210> 9152
 <211> 637
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 9152

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tgatgcggaa cacagacaga gccatgagca acattgagtc ttctccagaa ggattcaaca 180
tgctccgtcg catgtatgaa actgtccaag agccttttct gaatgcaaca acaatgggta 240
gcgaggggtga tcgaaattcg aatccatttt ctgctcttct aggaaatcag ggggtctaacc 300
aagcaagaga ctacagctgca aatggaacaa ctagagcttc agaccccaca tcaggggtctc 360
cagctccaaa tactaatcca cttccgaatc cttggggctc aaatgctggc tctgcccag 420

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gagcagcaag gtcctctcct gctagcaatg ttaggagtac tacagcaagt ggcctaggag 480
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 acctgttga ctcaagtttt gcaaaaccca actatgatgc agatgatgca gaacattatg 600
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<210> 9153

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-E3

<400> 9153

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 tgtgcaccta ccccatggag ctgatcaaga ccaggggtcac catcgagaag gacgtatacg 180
 acaacgtcgc gcacgcgttc gtgaagatcc tacgcgacga gggcccgtcg gagctgtacc 240
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 accagaacgt cctccacgct atctactgca tcctcaagaa ggagggcgcc ggcggcctgt 540
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<210> 9154

<211> 516

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-E4

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 aacatcacca cctatttggg catattggta caaacatag ccacactgac actcgtgcta 300
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<210> 9155
 <211> 76
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-E6
 <400> 9155

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 agaaagtcac ttctag 76

<210> 9156
 <211> 597
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-E7
 <400> 9156

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<210> 9157

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-E9

<400> 9157

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<210> 9158

<211> 613

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-F1

<400> 9158

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tcatgtgcat aaactctcga taacctcggg tctcttcggt tatgatcagc tgcaagggtt 180
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<210> 9159
 <211> 642
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-F10
 <400> 9159

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 gcatactctc agcaacatca gtttcttcca ttcaaccaac tggctgcatt gaactctgct 240
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<210> 9160
 <211> 637

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-F11
 <400> 9160

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<210> 9161
 <211> 630
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-F2

<400> 9161

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cacaagctcc tatagcttcc cttcttcccc catacctctc accagcggtg tcttcaatgt 180
gtgaaaaccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcattctac 240
cattatcacc ctgtttcttc caacaaccgt cagccctatt acagcagtta cctttgggtc 300
atttgggtgg aaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcatactc tcagcaacat cagtttcttc cattcaacca actggctgca ttgaactctg 420

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ctgcttattt gcaacaacaa ttaccattca gccagctagt tgctgcctac cccagcaat 480
 ttcttccatt caaccaacta gcagcattga actctgctgc ttatttacag cagcaacaac 540
 tactaccatt cagccagcta gctgatgtga gccctgctgc cttcttgaca caacaacagt 600
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<210> 9162

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-F3

<400> 9162

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 atcggtgccc ttgctctcct ggcgctcgct gcgagcgccg cctccagtac aagcggcgcc 120
 tgtggctgcc agacaccacc gtttcatcta ccgcctccgt tctatatgcc gcctccgttc 180
 tatctgccgc cgcagcagca gccgcagcca tggcaatacc ccaactcaacc accgcagcta 240
 agcccgtgcc agcagttcgg atcctgcggc gtccgcagcg tcggcagccc gttcctgggc 300
 cagtgcgtcg agttcctgag gcaccagtgc agcccgcccg cgacgcccta cggctcgcca 360
 cagtgccagg cgctgcagca gcagtgcctgc caccagatca ggcaggtgga gccgctgcac 420
 cgggtaccagg cgacatacgg ntgtgggtccc tgcagtcctt tctgcagca gcagccgcag 480
 ggcgagctcg cggcgctgat ggcggcccag gtagcgcagc agctgacggc gatgtgcggc 540
 ctgcagctgc agcagccagg tcctgcctt tgcaacgcag ctgccggcgg tgtctactac 600
 tgaggaaaact atgtacctgt agtaataatg taat 634

<210> 9163

<211> 627

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-F4

<400> 9163

tccagntaca gcaaacggca gtgcgtagag aggatcgtcg aacagaacag catgaagatg 60

gtcatcggtc tcgtcgtgtg cctggctctg tcagctgcc a gcgcctctgc aatgcagatg 120
ccctgccccct gcgcggggct gcagggcttg tacggcgctg gcgccggcct gacgacgatg 180
atgggcgccg gcgggctgta cccctacgag gagtacctga ggcagccgca gtgcagcccg 240
ctggcgggcg gcgcctacta cgccgggtgt gggcagccga gcgccatgtt ccagccgctc 300
cggcaacagt gctgccagca gcagatgagg atgatggacg tgcagtccgt cgcgcagcag 360
ctgcagatga tgatgcagct tgagcgtgcc gctgccgcca gcagcagcct gtacgagcca 420
gctctgatgc agcagcagca gcagctgctg gcagcccagg gtctcaacc catggccatg 480
atgatggcgc agaacatgcc ggccatgggt ggactctacc agtaccagct gccagctac 540
cgcaccaacc cctgtggcgt ctccgctgcc attccgccct actactgatt catgatattt 600
gggaaatctc ctctatccat ctctctc 627

<210> 9164

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-F5

<400> 9164

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atcttccctc cttatgctcc ttgctctttc tacatgtggt gctaacgcga caattttccc 120
tcaatgctca caagctccta tagcttcctt tcttccccca taccttccat caattatagc 180
ttcagtatgt gaaaaccag ctcttcaacc atataggctt caacaagcaa tcgcagcaag 240
caacatacct ttatgcctt tgttggttca acaatcacca gccctatctt tgggtgcagtc 300
attggtacaa accatcaggg cacaacagct gcagcaactc gtgctacctg tgatcaacca 360
agtagctctg gcaaaccctt ctccctactc tcagcaacaa caatttcttc cattcaacca 420
actgtctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat ttagccagct 480
agctactgcc tactctcagc aacaacaact tcttccattt aaccaattgg ccgcactgaa 540
ccccgctgct tatttgagc agcaataact actgccattt agcgagctag ctgcagcaag 600
tcgtgcttcc ttcttgacac agcaacagtt gct 633

<210> 9165

<211> 653
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-F6

<400> 9165

caagcggcgt gcgtanagag acgtcgacag aacacatgaa gaggtcatcg ttctcgtcgt 60
gtgcctggct ctgtcagctg ccagcgcctc tgcaatgcag atgccctgcc cctgcgcggg 120
gctgcagggc ttgtacggcg ctggcgccgg cctgacgacg atgatgggcg ccggcgggct 180
gtacccttac gcggagtacc tgaggcagcc gcagtgcagc ccgctggcgg cggcgcctta 240
ctacgcggg tgtgggcagc cgagcgccat gttccagcgg ctccggcaac agtgctgcca 300
gcagcagatg aggatgatgg acgtgcagtc cgtcgcgcag cagctgcaga tgatgatgca 360
gcttgagcgt gccgctgccg ccagcagcag cctgtacgag ccagctctga tgcagcagca 420
gcagcagctg ctggcagccc agggctctcaa ccccatggcc atgatgatgg cgcagaacat 480
gccggccatg ggtggactct accagtacca gctgccagc taccgcacca acccctgtgg 540
cgtctccgct gccattccgc cctactactg attcatgata tttgggaaat ctctctatc 600
catctctctc tatctatata tgtaataatg cagtaagacg acacacatta tca 653

<210> 9166
<211> 622
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-F9

<400> 9166

gcaaagctgg ggattctcgg tgtgttatct cacgnaagg tcaggcttac aatttgtcaa 60
cagatcacia accagatctt gaggaagaga gggagaggat tttgggtgct ggtggatttg 120
ttgttgccgg acgggtcaat gcaagtctga acttatctag ggcaataggt gacatggaac 180
tgaagcaaaa tgacctctg ccagtggaga ggcagatcgt gacagctgaa cctgaattga 240
aaacagtcca gctctcggag gatgatgaat tcattgtttt agcttgatgat ggaatttggg 300
attgcatgtc aagtcaagaa gtagttgatt ttgtacataa acagctaaag accgaggata 360

agatatctag tgtgtgtgag aagttgctca accgctgtgt ggcacctaca tctggtggcg 420
aaggatgtga taacatgacg gttattgtgg ttcaattcaa gaaaccagct ttagctgttg 480
ctacttctag cgctgagcag tctgctacca ctgcagaagg gatgcggccc aaaatttgag 540
ttgcctttgt gaacagcgag gtcgatggcc cagattaccc cccgaagtag gcgttgagtg 600
gcacaccgtg ctgtggagct ct 622

<210> 9167

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-G1

<400> 9167

ggagagcgcc gggggctggt aggaatggct gatgcacaag ggctcaacga tgtgctgtgt 60
gtggcagtgg atgcgatttg gttcttgagt gatagggatg agctgcttgc tattgtgggg 120
ttgatcaaaa ggttgtgtct gagggcgcaa aagatttacc cgtgctgcgc tccggacatc 180
attcctcgca tcgtgtgtat cagcatgtag ggggcggtcg actagccttg ctgatgcagt 240
gagcttcatg ggccagaaat tgcataacg acttcaagaa tccaagggtg atgaggtatt 300
gaaagcagaa gcaagtgcaa aggtgcacag gtttacagaa tgggctctaa agtgtatcgg 360
gctgcattca cgtgttcgag agaacagggg caaaggaaac cagcactg taattgaggt 420
tcagcttcag ttgtctgctt tcaagatatt tcttgatctt gctgataatg agcttaccgg 480
gaaggatttt acggaggctt ttgatgctgc atgcttcctt cttacactct tttcaaccac 540
cttcgaccat agatgggcat cangaatatc agcagctgca gtacaaggcc ttttagagtt 600
gttggttagag ggtggtgc 618

<210> 9168

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-G12

<400> 9168

gcaacatagn aagcacaata gtgtaccaac aatggcagcc aaaaattttg cctccttatg 60
ctccttggtc tttctgcaag tgctgctacg gcgaccattt tcccgcaatg ctcgcaagct 120
cctatagctt cccttcttcc cccgtacctc tcaccagcgg tgtcttcggt atgtgaaaac 180
ccaattcttc aaccctacag gatccaacag gcaatcacag ctggcatctt acctttatca 240
cccttggttc tccaacaatc atcagcccta ttacatcagt tacctttggt gcatttattg 300
gcacaaaaca tcagggcaca acaactacaa caacttggtc tagcaaacct tgctgcctac 360
tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat 420
ttgcaacaac aacaactacc attcagccag ctacctgctg cctaccccca gcaatttctt 480
ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca acaactacta 540
ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc acagttgttg 600
ccgttctacc agcacgctgc gcctaacgct ggc 633

<210> 9169

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-G3

<400> 9169

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cgcgcgatgc gcggctgacg ggaacccaac ccaccatcga atcgctcgc catgattcaa 120
attcaccact gaatgcgatg cggcatgtcg tcgtcgtcgt cgtcgtcgcg aggaagtaag 180
aggtagcagc agctagcgac gacgtacgta cgtaccagac gtccctcgggg aggccgtatt 240
tgatgagctc ctcgttctcg ttcttgctcg cgcccatgta gatggtgtag tcgccggcgt 300
ccggacgcgc cttgaagtag agcaccatcg ccgtcgtcgc tcagcagcag acagctctat 360
gttattcttc aatcgggccg ggccgggccc gcctcttcta cctctagcta gctagctagc 420
tagcctgcag agtagtatct ctctagcttc tagagcagag taccgaccga ccggccggct 480
gccagataga gactccaccg gcggcggtta ctgtatatac tcgtgtatat tctctgtcgc 540
cgcgcgcggc aaatacataa agcggcaaga gcaatt 576

<210> 9170

<211> 260
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-G4

<400> 9170

gtgtgcaggc atgcattttt acgggctatt gggaggatgt tggaacaatc aaatcattct 60
ttgatgcaaa cttggccctc actgagcagc cttccaagtt tgatttttat gatccaaaaa 120
cacctttctt cactgcaccc cgatgcttgc ctccgacgca attggacaag tgcaagatga 180
aagatgcatt tatctcagat ggttgcttac tgagagaatg caacatcgag cattctgtga 240
ttggagtctg ctcacgtgtc 260

<210> 9171
<211> 582
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-G5

<400> 9171

cccgatgtcg tccgcttgca cgagttgctg ccagtaaaac gaanactact ggtgcttgag 60
tttgtcaacg gcggcgagct cttcgacaag atcgctatca aggggaaact gtccgaacac 120
gagggcagga ggctcttcca gcagctaatac gacggcgctca gctattgcca tgacagaggt 180
gtctaccacc gagacctcaa gccagagaat gtccttgctg atcggaaggg caccatcaag 240
atctctgact tcggcctcag cgctctacct caacatctcg ggagtgcagg acttctgcac 300
acaacatgtg gcagcccaa ctacatagct cctgagggtc tgcaaaacag aggctatgac 360
ggctccttgt cagatctctg gtcgtgtggg ggtgacctc tacgtgatgc ttgttggtg 420
ccttcccttc gacgaccagg aacctcgctg ttctttatca gaagattttc aaggagact 480
gtcagatccc caagtggctt tcgctgccc gcaggacct tctcaanagg atcctccaac 540
cgaatccgat gaagaggatc aacgtcgcg gggatcaggg ag 582

<210> 9172
<211> 637
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-G6

<400> 9172

atccaactgc aaaatacata gtgaatacac tagcaacatc ttagcaccaa tgggagccaa 60
gattttttcc ctcttgccc tccttgctct ttcagcaagc gctgctacct ctactattat 120
tccacaatgc tcacaacaat acctctctcc ggtgacagcc gcgggatttc aacacccaac 180
tatacaatcc tacatgctac atgaggccat cgtagcaagc atcttacggt cattagcatt 240
aaccctccaa cagccatatg ccctattgca acaaccatcc ttagtgcac tgtatctcca 300
aagaatcgcg acacaacaac tacaacaaca gttgctacca acaatcaatc aagtagttgc 360
agcgaacctt gctgcttata tccagcaaca acaatttctt ccattcaatc aactagctgg 420
ggtgaacctt gctgtctact tgcaggcaca acaactacta ccatttaacc aactgtcgg 480
gagccctgat gccttcttac tgcaacaaca gcttctgcc ttccatctgc aagctgtgga 540
aaacattgct tctttcttgc gacaacaaca attgttgcca ttttaccac aggttgtggg 600
aaacattaat gccttcttgc aacagcaaca attgctg 637

<210> 9173

<211> 596

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-G7

<400> 9173

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aagatttttg ccctccttgc cctccttgct ctttcagcaa gcgttgctac cgcgactatt 120
attccacaat gtcacaaca atacctctct ccggtgacag ccgcgagatt tgaatacca 180
actatacaat cctacaggct acaagaggcc atcgagcaa gcctcttacg gtcgtagca 240
ttgaccgtcc aacaaccata tgccctattg caacaaccat ccttaatgaa tctatatctc 300
caaagaatcg cagcacaaca actacaaca cagttgcttc caacaatcaa tcaagtagtt 360
gcagcgaacc ttgctgctta cctccagcaa caacaatttc ttccattcaa tcaactagct 420
ggggtgaacc ctgctgctta cttgcaggca caacagctac taccattcaa ccaacttgct 480

aggagccctg ctgccttctt actgcagcaa cagttgcttc cattccatct acaagttgtg 540
gcaaacattg ctgctttctt gcaacaacaa caacaattgc tgccatttta cccaca 596

<210> 9174

<211> 643

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-G9

<400> 9174

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tctttctgca tgtgttgcta acgcgacaat tttccctcaa tgctcacag ctctatagc 120
ttcccttctt ccccatacc ttccatcaat gatagcttca gtatgtngaa aaccagctc 180
ttcagcccta taggctccaa caagcaatcg cagcaagcaa cataccttta tcacccttgt 240
tgtttcaaca atcgccagcc ctatctttgg tgcagtcatt ggtacaaacc atcagggcac 300
agcagctgca gcaactcgtg ctacctgtga tcaaccaagt agctctggca aacctttctc 360
cctactctca gcaacaacaa tttcttccat tcaaccaact gtctacactg aacctgtctg 420
cttatttgca gcaacaacta ttaccattca gccagctagc tactgcctac tctcagcaac 480
aacaacttct tccatttaac caattggccg cactgaaccc cgctgcttat ttgcagcagc 540
aaatactact accatttagc cagctagctg cagcaaaccg tgcttccttc ttgacacagc 600
aacagttgct gcctttctac cagcagtttg cggctaaccc cgc 643

<210> 9175

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-H1

<400> 9175

cagttacctt tgggtgcattt attggcacia aaatcagggc acaacaacta caacaacttg 60
tgctagcaaa ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactag 120
ctgcattgaa ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg 180
ctgcctaccc ccagcaattt ctccattca accaactggc agcattgaac tctcctgctt 240

atttacagca gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct 300
 tcttgataca accacagttg ttgccgttct accagcacgc tgcgcctaac gctggcaccc 360
 tcttacaact gcaacaattg ctgccattca accaacttgc ttgacaaaac ccagcagcgt 420
 tctaccaaca acccatcatt ggtggtgccc tcttttagat ttcttatgag ttatagttca 480
 ataataaagt tttttgtctg atgtttgtgg cttcccagaa ataagaaagt acatttctag 540
 attcttatgt gcttctagtc tccaaatgtg gttgatagtt attttgctct aagatcgaca 600
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<210> 9176
 <211> 617
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-H12
 <400> 9176

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 tagacagcaa cgacagggaa cgtgttgttg aggctagaga tgagctccac aggatgctga 180
 atgaggatga gctgcgtgac gctgtgctgc ttgtatttgc aaacaaacaa gatcttccca 240
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 actggtacat ccagagcact tgtgctacat ctggtgaagg gttgtatgag gggcttgact 360
 ggctttccag caacatctcc agcaagtctt gaagcttttc ggcagggctc ctagcgagag 420
 gatgtctgaa caacttatgg ctgctttttt ttacatatt attactaaga cacaagctac 480
 agcagatata gtacttgtga aaaaaagaaa cttctgagct cttttgaggg attgatacta 540
 gattggattg tgtttttgtt tttgggtcga taccatcgcc tgttcggttc cacaaaaaaa 600
 aaaaaaaagg cggccgc 617

<210> 9177
 <211> 633
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-H4

<400> 9177

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catcgtcccc tctccatcc ccggcgcggc ggcgccagca gccggcctgc aggctgtttg 120
aagagctcgc catttaatct caatggaagc caagtttttc cgtttcctga agctcgttgg 180
ggtcggccttc aaagcgaggt cagagagcca aggccgtgag ttgttcctta aactgggctt 240
cagccatgag gtgcagttca ccgctcctcc agctgtccgt gtcttctgct tcaaaccxaa 300
cataatctgc tgcaccggca tcgataagga caggggtgcac cagttcgccg gcgccatccg 360
gagctctaag gctccagagg tgtacaaggg gaaggggatc ctgtacattg acgaggttat 420
caagctgaag cccggaaaga agcgaaaaaa taagtgcga tccgaaggcg ttacaacttt 480
gtctctgtct ttttaaccca tgcttcgcat ttgtagtgat ctggatctgg ggtctgctgt 540
gttgtgttgt gtacttgctg tgtgctacac agatcaccat tatcttacct ttacctcagc 600
tgcattgagg accatgagtg ggaataagtt acc 633

<210> 9178

<211> 640

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-H5

<400> 9178

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ttatcatctc aaaggagggt attgatttca tggccgtgat tccccctctc ccagtcaaag 120
ccatccaagc cgcaattact tcaggacag ggtgttctact ggggctagaa ggattctggt 180
tttattgcac gacacatgac aacatatcca agtagtcctt gattgattta gcagcaggga 240
gtaagcgtct tgctaaaagt ggctccacag gtgaacttag gtgagtgttt ggttaccatg 300
tatttccaga tcaatgacat actaaaattg ttctttgcac atataaatac aaaaaaatag 360
gtataggaaa agaaatgaca tgcaacccaa taaatctttt tgtatttatt tataagaaat 420
gacagaaaaa atctccctca ttaaaataag tgaagaatc taacaaccac taattatctt 480
ccaaaaaatc aattattatt tttgcaccaa attgtaacaa tactgaaacc atattccttt 540

catctcattt tatctgttta acacaatgat ttttaataagt tcaatatcac actgtaaaga 600
gtgaaccaat gatttgtctt agactacagg cgttagctct 640

<210> 9179
<211> 645
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-H6

<400> 9179

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gctccttggt ctttctgcaa gtgctgttac cgcaaccatt ttcccacaat gtcacaagc 120
tcctatagct tcctttcttc ccccatacct ctaccagcg gtgtcttcag tatgtgagaa 180
acccaattct tcaaccctac aggatccaac aggcaatcgc agcaggcatc ttacctttat 240
cacccttggt cctccaacaa ccgtcagccc tattacagca gttacctttg gtgcatttgt 300
tggcacaaaa catcaaggca caacaactac aacaacttgt gctaggaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactggc tgcattgaac tctgctgctt 420
atttgcaaca acaactacca ttcagtcagc tagctgtctg ctacccccag caatttcttc 480
cattcaacca actggcagca ttgaactctg ctgcttattt acaacagcaa cagctaccac 540
cattcagcca gctagctgat gtgagccctg ttgccttctt gacacaacaa cagttgttgc 600
cgttctacct gcacgctgcg cctaacgctg gcaccctctt acaac 645

<210> 9180
<211> 615
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-H8

<400> 9180

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gggcttcgaa caccagctg tgcaagccta taggctacaa caagcgcttg cggcgagcgt 120
cttagaacaa ccaattgccc aattacaaca acaatccttg gcacatctaa ccatacaaac 180

catcgcaacg cagcagcaac aagcactgag ccacctagcc gtggtgaacc ctatcgcccta 240
 cttgcaacaa cagctgcttg catccaaccc acttgctttg gcaaacgtag ctgcatacca 300
 acaacaacaa cagttgcaac agtttctacc agcgctcagt caactagcca tgggtgaaccc 360
 tatcgccctac ctacaacagc aacaacttct ttcattctagc ccgctcgcta tgggcaatgc 420
 acctacatac ctgcaacaac agttgttgca acaacagttg ctgcaacaaa ttgtaccagc 480
 tcttactcag ctagctgtgg caaacctgc tgctacttg caacaactac ttccattcaa 540
 ccaactgact gtgtcgaact ctgctgcgta cctacaacag cgacaacagt tacttaatcc 600
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<210> 9181
 <211> 478
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-N6-B11
 <400> 9181

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 acacagtgaac ctgctgatat tggcttaaca tgcaatctga gctccgcgat gctgggttgca 180
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 ttggggggcga gtcacatgc attgatgtgt gcctgtctta atgggtcaga cgagatcgat 360
 tgcgattacc tgcactaccc gtcattgtaca gacgctcgta cgccatgcag cgtctcgccc 420
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<210> 9182
 <211> 614
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-N6-B4
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gtggtacaat gttgtgaaac cccaattgag ggaaccctac agtgatccaa caggcgcagg 240
gcaacaggca tcttaccatt atcacccctag aaggccaac agccgacatc cctattacag 300
cagaaacctt tgggtccattg gtgggcacaa taaatcaggg cacaacaagc tcatcaactg 360
gtgctagcaa aaaatgctgg agtgactctg cagcaacata agttgcttac atgtcaacca 420
actggctgca ttgaactctg ctgcttattt gccacaacaa ttaccattca aacatctagt 480
tgtgtgctac ctccagcaag ttcttccatt caaccaacta gcagcattga actctgctgc 540
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cacgtgacac aaca 614

<210> 9183

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-B6

<400> 9183

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attttccctc aatgttcaca agctcctata gcttcccttc ttccccata ccttccatca 180
attatagctt caatatgtga aaaccagct cttcaaccat ataggcttca acaagcaatc 240
gcagcaagca acataccttt atcgcccttg ttgtttcaac aatcgccagc cctatctttg 300
gtgcagtcac tggtaaaaac catcaggga caacagctgc agcaactcgt gctacctctg 360
atcaaccaag tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca 420
ttcaaccaac tgtctacact gaaccttgct gcttatttgc agcaacaact attaccattt 480
agccagctag ctactgcta ctctcagcaa caacaacttc ttccatttaa ccaattggcc 540
gcactgaacc ccgtgctta ttgcagcag caaatactac taccatttag ccagctagct 600
gca 603

<210> 9184

<211> 544
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-N6-B7

<400> 9184

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tgggcagaag aagcaggact atgtagaaga ctaaggcaaa ctttgataag aaggagagca 180
caagctcaaa gaaggctaag actgaggatg aggatggctc gaagtcagag gttgatgacg 240
aggatggcag cagtgcgag gaaaacgatg acgatgagta aacagtctcc aaggtcacga 300
ggtagcaaat cgagtgttag gtccccaatt agcttactgt ttgctgcct ttaaagtta 360
agttgtttca aacaggtgtt tatgaagggg atctattagt ttcgcgatgt cgtagttta 420
gtgcattagc aaagaaaaag ccgaatgctg ctagctgttc tgttgctttt cttttgctaa 480
ccacttgtgt cacaactntc tgtacctgct tcattgacta atctagtgac tagtcagtta 540
ttgg 544

<210> 9185
<211> 482
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-B8

<400> 9185

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gaagcattgc gcgcgcgtcc ggcctgaatc tgggggggtc cggcttctgg tcatagtcac 180
cggctgggtc ctctgtgtcc tgaccttga ggacttgtct cacagcccg gtccatcctg 240
tgcagtctga acggccagct gacggcggac caggctccga cggccttact gatccaggat 300
aagctaacct ctccccaga caccgacttg atactctgcc accgcacgct actgcgtgga 360
gaccctaaag agggcgatga ctgaagacag atccaccact cactgggtta caagggcgag 420
gaggaagaga gactgatgct gagcgagccg cacgccacca gggctatgac ggagctcacc 480

<210> 9186

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-D6

<400> 9186

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ccttatgctc cttgctcttt ctgcatgtgt tgctaacgcg accatttttc ctcaatactc 120

acaagctcct atagctgccc ttcttcccc ataccttcca tcaatgaccg cttcagtttg 180

tgaaaaccca gcccttcaac cctacaggct ccaacaagca atcgcaaca gcaacttacc 240

tttatacccc ctgttctttc aacaatcgcc agccctatct ttgggtgcagt cattggtaca 300

aaccatcagg gcacaacagc tgcaacaact cgtgctacca gtgatcagcc aagtagctct 360

ggcaaaccct tctccctact ctgagcaaca acaatttctt ccattcaacc aactgtctac 420

actgaaccct gctgcttatt tacaacaaca acaactacta ccattcagcc agctagctac 480

tgctactct cagcagcaac aatttcttcc atttaaccaa ttggccgcac tgaaccctc 540

tgcttatttc cagcagcaaa tactactacc atttgccag ctagctacaa caagccc 597

<210> 9187

<211> 113

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-D7

<400> 9187

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gttgcgttcc aaacaattaa tgttcatttc tcaaaaaga atataccgga agc 113

<210> 9188

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-E11

<400> 9188

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cgaaaacgacg ataactctgg cccgcacgca tcttgactgg ttacctagaa gcgaaagaga 180
gctctcagca gaagctaccg ttttagggcaa gtcaccacat ctaacaatca ttaccaaccc 240
ttgtactata tacaagcaga ttggtacaga gccaaaatat gctaattaca ggaggataaa 300
ttagagcgat gaggaagga agcctggcat tatcacattg acacgagaca ggctgagaac 360
tacatctttg ctcaactagt gagaaaggag caaagataaa aagtgcataa cccagacaaa 420
acgaacgcct tggaagagaa atcagcttct tgatagctta cc 462

<210> 9189

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-G10

<400> 9189

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cggcaatata ttccattcaa ccaactggca gcattgaact ctcatgctta tgtacaacaa 240
caacaactac taccattcag acagctagct gatgtgagcc ctgctgactt cttgacacag 300
caacataagt tgccgttcta cctgcacact gcgcctaacg ttggcaccct cttacaactg 360
caacaattgc tgccattcga ccaacttgat ttgacaaacc cagcagagtt ctaccaacaa 420
cccatcattg gtggtgcctt ctttttagatt gcttatgagt tatagttcaa taataaagtt 480
ttttttgctg 490

<210> 9190

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-G3

<400> 9190

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ggagtcaatt gacccattgg atctaaagcg gagaagagaa ctactttgca ggctagctag 180
aggaagtaag tagaggcaga agatggcgac cacgtccgga cggaccgaag aataacatag 240
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cggccagtac accatactca cgggtggactg aaaaaaata gaacgaggta gcttcatgca 360
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tgtctacctc ctagctagtc tagttaggta gaccagcaca gagaatacat gtagctgcta 480
agcagaggag aaaccgatca ggcgaggcca tatagaggat ggatgggtgg cggataagcg 540
taacgcgcgc gtattgtttg gccg 564

<210> 9191

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-G4

<400> 9191

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aaacaccttt cttactgct cgcggtgct tgctgcac gctgttgggc aagtgtaca 180
ttaacgaggc atctatctcc aatggttgct taccgagaga aggcctcggt tagcattctg 240
cgactggagc ctgctcactt gccaacctg gatgtgaact cgaatacttc aagatgaccg 300
gagcgccac ccttgaaact gaccaagaag cttcaaagct actgctattc tgggtgcagg 360
tccctagttg gtgatacgca aggaacacta ccataacgaa ctgtcttatt gacatgacag 420
ctccgattgg gaag 434

<210> 9192

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-G5

<400> 9192

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tcctaacacg agggctagga ggctctggca ggggctaata caccgcctca gctcttgcca 180
tgacagaggt gtctaccacc cagacctcag ccagagaagc gcttggtcat cggaagggca 240
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ttctgcacac accatgtggc agtccctact acatagctac tgaggttggtg cttaacagag 360
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gggctgcctt cccttc 436

<210> 9193

<211> 644

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B7

<400> 9193

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gcttcttttc ttccccata cctctcacca ggggtgtctt cagtatgtga aaacccaatt 180
cttcaaccct acaggatcca acaggcaatc gcagcaggca tcttaccttt atcacccttg 240
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aacatcaagg cacaacaact acaacaactt gtgctaggaa accttgetgc ctactctcag 360
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cagctagctg atgtgagccc tgttgcttct ttgacacaa aacaggtggt gccgttctac 600
ctgcacgctg cgctaacgc tggcaccctc ttacaactgc aaca 644

<210> 9194
<211> 75
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B9

<400> 9194

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aaaaaaaaa aaaaaa 75

<210> 9195
<211> 552
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-113-Q1-K6-C2

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agggtaccct cctgaagccc aacatgggtga ctntctggctc cgactctaag aagggtgacac 360
ctgagggtgat cgcccagnac accgtncgta cccttcagag gaccgnncct gctgctgtgc 420
ctgctgnngn cttntctnc ggnggacaga gcgaggagga ggccaccctg aatctcaatg 480
ccatgaacaa gctnagnacc aagaagccat gggccctgtn cttctncttc ggccgngccc 540
ttcaggcgag ca 552

<210> 9196
<211> 662
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E12

<400> 9196

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 atgctcactt gctcctagtg ccattattcc acagttcctc cctccagtta cttcaatggg 180
 cttcgaacac ccagctgtgc aagcctacag gctacaacaa gcgcttgagg cgagcgtctt 240
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 tgcataccaa caacaacaac aattgcaaca gtttctacca gcgctcagtc aactagccat 480
 ggtgaaccct gccgcctacc tacaacagca acaactgatt tcactagacc ctctcgctgt 540
 ggttaatgca cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac 600
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 ga 662

<210> 9197

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-F10

<400> 9197

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 accgggtgtga cttcttcac caaggcttga gctatagacc aaaccgccct gccaatctgc 180
 ggccggcgca ccaccactag gacttggttt atctcatcga acgttactgg attcgatttc 240
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 acacattcct catgcaccag acaccacaga tgaaaatgca cgcgcatcca tagaccagct 360
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<210> 9198

<211> 637
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-F12

<400> 9198

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 <211> 621
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-F4

<400> 9199

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tcacaaaata caatatcgaa tgctagggtc aaatgcattt gaaccttaca ccattatata 180
agacagtccg accaaacaat tacactctag cgctatacaa taccaaaacg acgaatgcta 240
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tcgctgatg tctttgtatg aatatggatg gggttcaggaa acaccggcct gagggctttt 360
tctggagcaa caaatatgat ggcactcttc acagtagaag gcattattta cataaacttc 420
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gttccccgac catgccctac caggctgggt ctgcgtttcc atcacctgca gtgttccttt 480
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 gggtgataaa ccagttattg atctgcttca gttgtagccc tgtttcctgc accagtcgag 600
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<210> 9200

<211> 530

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-K6-H5

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 ttatgctact tccagctatg ccttttgtct ttttttagaa aaacttccag ttatgactta 180
 attgttaata ttgacaatac cagtgtagga atactgaaat tagtcttgaa agtaagacat 240
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 gatgctttgc cgctccatgt catctctagc ggacgctctg ctgtcgtgct gctggatggt 360
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<210> 9201

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A3

<400> 9201

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 acatgtagat caatataatc taagaacaaa ggccttttca acaacccttg actataacac 240

aacaaatggt catagcgcta gagaacaagc atgcacagga tgatgttgag gctgtatttg 300
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<210> 9202
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-A4
 <400> 9202

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 agaacgttgt acacataaag ttactggctc tgctaataga caacgtncgt atctgccttc 360
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<210> 9203
 <211> 539
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-N6-B10
 <400> 9203

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 tgacagagac ggtaggctaa gccaggaaga gctagtcact caatctcaca tgatcatctg 240
 cagctcgcgt tacaccgacc acggtggcca tgcccatgac cttgagcgtg cctaaactga 300
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<210> 9204

<211> 232

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B5

<400> 9204

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 ttgatccgac aaaccagtt gtcttatacc aactacacat cattggagga gccatctccg 120
 acattgctta ttagttggaa taaagtagtg aagtttgcg aatgatgtat gtcgactggc 180
 tagaaacagg aggagacatt agcaggttgt ggggttagcc acccggacgc gt 232

<210> 9205

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B8

<400> 9205

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 cacgaagtgc gtcgcaagc gtgcctataa gctgtccgct agcttgccac gaggacctcc 180
 tgacgcatag gcgcactcgc gctatgtaga acaccacat ctgcaaccct acacagatac 240
 agcagcgcgt ctacaccag cttgctacct gtatgacct agttgctgct gcttcattaa 300
 gcctattaca tcagtacct taggtgcatg aatggacaca atacatgagg gcacaccaac 360
 tacaacaact ctgagctagc aaacctggct gcctactctc aacaccaaca gcatcttaca 420
 ttcaaccaac tatggtcatt gctactctgc tctcttatgt gcaacaacag gctctaccat 480
 tcagccagct acctgctgcc taccctgagc aattgctccc attcaaccaa ctagcagcct 540
 ggaactctac tgctgattga cagcagcaac aactactacc attcaggcag ctagctggtg 600

tgagccctgc taccttcctg acac

624

<210> 9206

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C10

<400> 9206

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acttgatgat gatgtgcttg atgtgatacc tgatgtcgcg gtgatcatca gctactttat 180

caacttgatc tcaaccctag agcactcacc ctgtgtgggt acacgcccac ctgcctagct 240

ctaactgatg attagatgcg tggagacgca gacaactcac cagctatacc gattgtgttc 300

tcacatgatg cataagcctg ataatacaca atgtgatttc gaccaaactt ccttatacc 359

<210> 9207

<211> 497

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C8

<400> 9207

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cttatgtctc ttggtctttc tgcaagtgt gctacggcga ccattttccc gcaatgtctg 120

caagctccta tagcttcctt tcttcccccg tacctctcac cagcgggtgtc ttcggtatgt 180

gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg catcttacct 240

ttatcacctt tgttctctca acaatcatca gccctattac atcagttacc ttggtgcat 300

ttattggcac aaaacatcag ggcaacaaca ctacaacaac ttgctttgac aaaccagca 360

gcctcctacc aacaacacat cattggtggt gccctctttt agattgctta ttagttgtaa 420

ttcaataata aagttttttg gatgatgtat gtggccaacc agaaataaga agttacattt 480

ccagattcta atgtgtt 497

<210> 9208

<211> 522
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D10

<400> 9208

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 tcttcggcag cctgggctga acacacggac tgaccacctg actcacaacg actttaaatc 180
 atacacacga gatggccgac atccaacaca tgacgaacca agagaccaat gttgactagg 240
 gttaacactc acggacctta tcaagataac atgccctgcc gaaccccacc gatgacatcc 300
 tccagttgga gctggacgtg ccgtacatga cggcacgggtt ggcaccgtcg tagcctaggc 360
 caccacgacc gtatccgtcg gcgtcccatc gtagccgtcg acgccgccgt taccgacgtg 420
 gccgtcaccg tgatggccac cgccggttacc gccgtgtcca cggctaccat ggtggccgcc 480
 gccgctaccg tgttcacggc cgccgctaca ctgggtccaa cc 522

<210> 9209
 <211> 489
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D12

<400> 9209

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 ttaaccattc gtgatggttg ccatatatgg agattctatg ggttgggtga attctcgggg 120
 atatagcact atagttatct cacatgggta tggactactt cgatgacttg caagcgagcc 180
 gctaaaagct tgcccatgca ctctaactct caagattctc attctggcta cgctgacacc 240
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 attactttct ttgcgacctg atagaggaga ttacttatga catcatgttc tactgtgttc 360
 actgaatgca tgcggtttat agttttcttc cggctagatg ttatcgagca tgtgacgacc 420
 tatcaggaac gattgctgct gataccgag cacatggcta gtatactcta cccggagaaa 480
 aactctgaa 489

<210> 9210
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D5

<400> 9210

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 acgagggcac caccaatgat tggttgtcgg tagaatgctg tcgtgttagc aaaagcagtg 180
 tggttgatat ggaaaacaat atgttgtaaa cgctatagga tgcaacaggc aggcgcagct 240
 ggcatgttaa acggatcaat cgtgggttggtg caaagaaatc agcacgtatt acaccagcta 300
 cctgtgtggc aggtattggc acataacatc agggctcaac aactacaaca actggtgcta 360
 gcaaaccctg ctgactactc tcagcaacaa cagtttctta cattcaacca actagctgca 420
 ttgaactct 429

<210> 9211
 <211> 321
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-E11

<400> 9211

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 ccgaaacagc tgcatgcaca ccattcatca catctgttga cactctcaac ttgtgcaaat 180
 atctaacatt taccatatac ttgagcaggt gataagtcaa attgcactga tccaacgca 240
 cgaaaaaatc tactctgacc ctaattgata gtcattatgc aggatctaca atgtgaactg 300
 tatttgcacc tgctgtgcct t 321

<210> 9212
 <211> 604
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-113-Q1-N6-E2

<400> 9212

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cacgccaata ccatnagaga agtctcatcc ataggcataa taatacacat gtcattccaat 120
actaataaga gacagtgtct tatacatagt cataataaaa gtctcaagta tcataacaca 180
ataacatgga agctcacgat cgccgatcac catcgggtta cagtgcagag tgatgggtcga 240
tacctccact ggccaagagg gcttagacaa agtctaaccg gtcttctcgt tcatgcgtcg 300
gtaaggtagc tggaggggtc taatatactt gtactaatga ttttcgctga gcatacggtc 360
agcttcatca aggaccagat atgataacttg gtgcaggctc actctattca tttccaaaat 420
gtcatttaat ctcccaggag ttgcgacaag aatgtcagca ccacgctcca gctctcttag 480
ctgagggcct tttggagcac ctccatataa gcactttgag tttttcaagc gcagaacatc 540
accagtcata ccaacacgag gagggcgtct tcgatggctt taataagctc ggaactcggc 600
cacg 604

<210> 9213

<211> 545

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-N6-E6

<400> 9213

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tacgccccga ggatcgccag ctctagctga tagggcgcg cggcagaca ctccacgcac 180
actggtgcac agaggctctg cgatcccttg agtttgctgg caagctgacc gagcttgctg 240
tcctgggcag actgacgctc acagtcgagc tcgtgggggt ggacctgcta aggccgctcg 300
agctactgac cgtcccactc tgggcgcgcg aagggggact ggcgctggtg acaggggccg 360
actagtcgtc cctgctgcac cggcctgacc gctaccggcg cccacaccgg gacgcacagg 420
aactcgaccg ggctctactg catcagcgcg cacagcgcg agcgcagcga tcagctcgcc 480

agcacgagca ccgccgncaa cgtgaccaga agagcgagga agcactacaa ctcctacgcg 540
ccaga 545

<210> 9214
<211> 526
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-F11

<400> 9214

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catagtgacc atatcaatac cattgcatcg catatgtaac atgcactatg ccacctaacc 120
gatgggttgc ctgtaggata ctggcagcat catcagatag aattcaaccg attggatttg 180
tcgatcgtag ttgcatacaa acaacaacaa caggtgagac accgtttacc agatgatgaa 240
actactagcc atggtgaacg ctctcaccta actacaacac aaacagctgg tttaatgtaa 300
ccagctcgct ataggcagtg cacctacata cctgaaatag ctgatgttga accaacacaa 360
tgctgcagca aatcgtgccg gctctcactc agctagctgt ggctaaccgt gctttctact 420
tacaacaact acttacataa aacaactgac tgtgtcgaac tctgctatat acctacaaca 480
gggtcaacag ctactcaatg cactaaacgg gggtaaccca ttgggc 526

<210> 9215
<211> 545
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-F12

<400> 9215

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gggggggatta gaatgtgatt ttcatgcatt agaagcatat aaggcgggtt caggacgagt 180
ttattaaaac ataattactg cacaagcatg tcgaagatcc ttgtgctgaa tgcactttat 240
atggtatttt cattgacctg agcaaagcat ggcaaaggac aaagagaagc tgcgtacctg 300
cttctgtaga ggattgctgt gagcatatac taccacaaca gcaaattctt tcaggaggga 360

cagatgaatg atgcatgtga cgtactagac gtaatctgca gagtgtccgc attaccaata 420
cacttgtcgg actgtctacc atggagtatc ccaccgagaa aaactctatg gcatcatagg 480
attgtgcaaa tacttattag cataacaaat aaccccaggg ggatggacgc atctgaaccg 540
atgaa 545

<210> 9216
<211> 480
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-N6-F5
<400> 9216

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gcaccacca tgatttctca catggcagga gggcgcttct tcttccaaaa tacgttgcac 180
aaatggtagc ttcagtatgt gaaaaccag gtcttcaacc atatacgctt actcatgcaa 240
tcacagcaag caccatacct gtatcaacct tgatgactca acagtcgcca gtcctatctt 300
tggtgcagtc attggtacaa accatcatgg cacaacagct gcagcaactc gtgctacctc 360
tgatcaacca agtagctctg gcaaaccctt ctcctactc tcagcaacaa caatttcttc 420
cattcaacca actgactaca ctgaaccctg ctgctcattt ggagcaacaa ctataaccat 480

<210> 9217
<211> 489
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-N6-F6
<400> 9217

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ctctgaacac tatgagcaat cttccaaact atgagaagac cacatcatta ttctcccaca 120
tatagtacca cttcaattac taccaccgac tggacagacg tctgaccta aacctgcaga 180
atgccctgga acgaatccaa ccaggagagc acgtgcatat tatacactat atgacgcacg 240
aggcgactgc acaaagaagc tacaagggcc acgatccgcc acttattgcg accatgatta 300

aacggácatg taaccaatt gcagacaccc tgtcaccatg gagagctcag aaggataggc 360
ggcacacata caagcccaga tgagcaccgt ccgtggatgg gcagaaatgt actcgctact 420
aaagagccta ctgaacacag ccacgaaaag caacacctgc aaatgcatga ccatcaaaat 480
ttacatcca 489

<210> 9218
<211> 269
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-N6-F9
<400> 9218

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tcgctgttta cagcgtgaaa acgtgataaa actcataatg tcacacaaca tactagcctt 120
gcacatcatg cgcctagcgt gaggtggcta attagcgaac agggccacat caatcgccct 180
tccctcactg gcgctttcta aatggcaaatt gtgacgcgcc atgtagatta atatttagcg 240
caacgcgcgt ggagagtacg ctcacgtat 269

<210> 9219
<211> 544
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-N6-G4
<400> 9219

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caacaaatgc gttcattatt ccacaatgct cacttgctgg gggggccatt attccacaga 180
tcctccctcc agttacttca atgggcttcg aacacccagc tgtgcaagcc tacaggctac 240
aacaagcgt tgcggcgagc gtcttacaac aaccaattgc ccaattaca caacaatcct 300
tggcacatct aaccatacaa accatcgcaa cgcaacagca acaacaattt ctaccagcac 360
tgagccaact agctgtggtg aaccctgtcg cctacttgca acagcagttg cttgcatcca 420
accacttgc tctggcaaac atagttggat accaacaaca acaacaattg caacagtttc 480

taccagcgct cagtcaacta gccaatggga accctgccgc ctacctaaa cagcaacaac 540

tgat 544

<210> 9220

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G5

<400> 9220

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tgatgggtgt gtatggcaga accacgggat agtctactgg gtaggttgta tatgcctcct 180

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tggacacaac ggcattgtgt gtagcaccag gtgctgcacc tgatcatgct gaggagccgg 420

tgcactggta ccagacgaca tacggagtgt ggctagcctc cttgctgcag cagcaggctg 480

aacgggagct tgaggaactg atcgagtcg acgtagaaca ggatgtcacc gcta 534

<210> 9221

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G7

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tgagaaagcg caatctttca gacgtacaca gatccaacac gcaatgtgct gtgagatcgg 240

accaacatga gctgggtact agcatcatga tcactacact ggatgtactt atggtgcatg 300

tattggctca taacattaag ccacagcatc tactgcagct agtgctagca aacctagatg 360

cctactctga gcagcagcag atacttgcac gcaaccaact agctgcattg aactatgcta 420
gtcatttgca acagcaacaa ctaccatgca ggcagctatc tgctgcctac ccagagcagt 480
atctggcatg caaccaactg acagcataga actctcctgc ttatgtacag cagcaacaac 540
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<210> 9222

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H1

<400> 9222

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attattgcac agtgctcagt ctctccaaga cagcgttata tcacagagaa ctggacgagt 180
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gctggctaca taaatgcaaa ccatgcacaa caacagctgc aacagggtct accagcgtc 480
agtcaactag ccatggcgaa ccctgccgcc tacctacaac aggatcaact gctactatct 540
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<210> 9223

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H10

<400> 9223

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cggaagctta catcaaagcc aaatgaaagc ctctatgagc agaagcccga ggaacacatc 240
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 aaccacatga gtggacatgt tgcaccccca atgtcgtcaa acttctttgc tgaatttgcg 420
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 agcaaggaat catgacagat atcctcaaaa gcgaaatcaa ttcttctctc tcaggctctt 540
 ggtgatcaag ccaactttga aaaggacgct caagtctctc tccaaaagtt ctatgggtcc 600
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<210> 9224

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-B10

<400> 9224

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 ggtagaacgc tgctgggttt gtcaaagcaa gttgggtgaa tggcagcaat tgttgaggtt 180
 gttagagggt gccagcgta ggcgcagcgt gctgggtgaa cggcaacaac tgtgggttggt 240
 tcaagaaggt agccgggctc acaccagcta gctgggtgaa tggtagtagt tgttgctgct 300
 gtaaataagc aggagagttc aatgctgcca gttgggtgaa tgggaagaaat tgctgggggt 360
 tggcagcagg tagctggctg aatggtagtt gttgttggtg ccaattagaa gcagagttca 420
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 ct 482

<210> 9225

<211> 552

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-Q1-N6-B6

<400> 9225

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 gcagcgacga gcctgctggt cgagcgtcca tagaacccca cgatgctgct gccgatcggc 180
 gcggtgatgc agaaacgtgt cccgtcctcg atcccccatg gccccaggt tctgctgctg 240
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 ccccatcgcc cagcagtgcg cctctggcca cctctatcag tatacgtgaa ctcgatggag 420
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 gagtctgtct tg 552

<210> 9226
 <211> 506
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-Q1-N6-C10
 <400> 9226

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 cgtagtattc gagaatacta cagtattcta ccaaactgt gcctagacac ccccgagct 180
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 caccactgaa ggtacaacta cagtcgcctt attgcgtcct ctccgccttc actcatcatg 360
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 tgcagagcgg gcacacagcc gcatccaggc tcgtactga gaaccagtc tctggacatc 480
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<210> 9227
 <211> 497
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-Q1-N6-C11

<400> 9227

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gtgcggttagc tgggcagctg gtactggtag agtccacca tggccggcat gttctgcgcc 240
atcatcatgg ccatgggggt gagaccctgg gctgccagca gctgctgctg ctgctgcatc 300
agagctggct cgtacaggct gctgctggcg gcngcggcac gctcaagctg catcatcatc 360
tgcagctgct gcgcgaaggc cttgccgtcc atcatcctca tctgctgctg gcngccctgt 420
tgccggagcg gctggaacat ggcgctcggc tgccacacc cggcgttggt gggcgccgcc 480
gccagcgggc tgcactg 497

<210> 9228

<211> 337

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-Q1-N6-C2

<400> 9228

aaacggacaa tggccatgac tgcaacatng gnngagncga atacaacacg gggagacatg 60
atgtgtagac aaaggtntct tgtttagaca agaataacct gttgattggt ttacagcatc 120
ttattgttat ttttttttag aactccgatt gatattttgt gcggcaaata cccgtcctgt 180
gagacctttt cagctcatat gaccaatcca tcagcaatta tcgcgttctt cagtgcgacg 240
gtggtgccag atcgaatggt gaagccttcg gaagttcttt cagnttcacg tgcnccttca 300
gagttgggga ttgccgcttt cttccctatc ctgcgct 337

<210> 9229

<211> 498

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-C4

<400> 9229

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cggacgacga tgatagctag atgaccagat cagagttggt gacgcaggta aacaccgatac 120
gcagcgacga gcctgctggt cgagcgtcca tagaacccca cgatgctgct gccgatcggc 180
gcggtgatgc agaaacgtgt cccgtcctcg atcccccatg gccccaggt tctgctgctg 240
gtgagaattc tgatcgaggt cagcgtggtg ggcgcttcaa acatgccgta tgttcctgag 300
acctccctga caacctcggc gtcgccaaga tcgatcgttc gaagggtgcc gccaagtcca 360
ccccatcgcc cagcagtgcg cctctggcca cctctatcag tatacgtgaa ctcgatggag 420
tcgacggcaa aaccagttcg aacggagagg ctgtgcagac gctgtggtgg ctccgtcgtc 480
gtgatgtcct gcgccgac 498

<210> 9230

<211> 72

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D12

<400> 9230

gggggggggg ggcgccgaac aaaaaaaaaa aaacccccag ggccgggggg gggggggagg 60
ggtggtgtgg gg 72

<210> 9231

<211> 496

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D3

<400> 9231

caaaaattat cgagaaaaat ctcaatcaat atattgatta tttctaggaa acacatgtcg 60
gtttgagggc ccattgtcg agtccatctc atatgtaatc taaaagatgg cccctccaac 120
gatgggttgc tgcaaggcag ggttcatcaa agagaactgg ttgtttggca gcaattgttg 180
ttgctgctgc aggaaggtag ccaccaatgg gttagccact gccaatggat taagtaactg 240
ttgtcgctgt tgtaggtccc cagcaaagtt tgacacaccc agttggttga atggaagcaa 300

ctgttgtaag taggcagcag ggtttgccac agctagctga gtcagagctg gtacaatttg 360
 ttgctgcaac aaattgtagg tacgtagggtg cattgcccac cgcgagcggg ctaaataaaa 420
 gtagttgtag gtagacggca gggttcacca tggctagttg actgagcact ggcataaact 480
 gttgcagctg ttgttg 496

<210> 9232

<211> 546

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D4

<400> 9232

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 gttggtagaa cactgttgag tttgtcaaag caagttgggtt gaatggcagc aattgttgca 180
 gttgtaagag ggtgccagcg ttaggcatag cgtgcaggta gaacggcaac aactgttggt 240
 gtgtcaagaa ggcagcaggg ctacatcag ctagctggct gaatggtagt agttgttgct 300
 gctgtaaata agcagcagag ttcaatgctg ctagttgggtt gaatggaaga aattgctggg 360
 ggtaggcagc aactagctgg ctgaatggta attgttggtt caaataagca gcagagttca 420
 atgcagccag ttggttgaat ggaagaaact gatgttgctg agagtatgca gcaaggtttg 480
 ctagcacaag ttgttgtagt tgttggtgcc tgatgttttg tgccaccaa tggaccaaag 540
 gtaact 546

<210> 9233

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D5

<400> 9233

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 atggtcaagg aacagcatgc cagacaacgc attttgcgcc cgaacgctcg acttcctgtc 180

aagcggctct taccatacca aggttacacg atccatcgat gcaataccat tgtaggttct 240
tgttttgtag acgcaaacgc agccgatcta tatgacagac ccatcgttga tggttgcatt 300
cttcaagatc accacgattc cagaccttat gtagtaccct tcttcgggt gatcagcctc 360
ttggatgccc ttactgtttg tgatcaccac gttcttccca atcctagcat tcatgtcaat 420
gatacagttc cttatctttg tgttccttcc tattccaact gggaccttcc cagctaacag 480
tagctttgaa gcttcttctt cagtttc 507

<210> 9234

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D7

<400> 9234

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cccccggggt ggggtgtggg ggaaacactg gttgggttgt caaaaaagggt tgggtgaatg 120
ggcacaattt ttggcggtgt aagggggggc ccggtttggg gccaccgggt tgggtggaacg 180
ggaacaactg ggggtgggtc aaaaaggggg ggggggtccc acccctttgc tgggttaatg 240
gggggtgttg gtgggtggtt aatattgcgg gggggttcat tgttccccgt tgggtggggg 300
gaaaaaattg ggggggggtg gcaaaccggg cctggctggg tgggtgtttg tgggtggtgc 360
cttttaaaac ccggtttcaa tgcccccttg ttgggttttt ggggaaaaaa attctttttt 420
tttttgggg 430

<210> 9235

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D9

<400> 9235

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tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttggt 120
ggtagaacac tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgagtt 180

gtaagagggt gccagcggtta ggcgcaacgt gctggtagaa cggcaacaac tgtggttgtg 240
 tcaagaaggt agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
 gtaaataagc aggagagttc aatgctgcta gttggttgaa tggaagaaat tgctgggggt 360
 aggcagcagg tagctggctg aatggtagtt gttgttgttg caaataagaa gcagagttca 420
 atgaacctag ttggttgaat ggaag 445

<210> 9236
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-Q1-N6-E2
 <400> 9236

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 tgcactgcat gccccagac acaagcatgc acacacaaag cacaacacat aaacgactag 180
 ctagagctat cgcggcgacc gagactctac ggcagcgtac gtagcagcag ccaccgcctt 240
 taagggccat atgccgcgcg gccggcagtg gttcaaggag gtcgcgcgcg cgggccgcctc 300
 gagtgtggtt cttctctcaa gaccctgcg cctggtcgat gcggtgctgt gctgcaccc 360
 tgatgtcgcg ggccttgac gccagcctcg ccttggcgtg gtccagctgg tcggccccc 420
 gggggtgctt gcccgtcagg tacttgtaca tcca 454

<210> 9237
 <211> 346
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-Q1-N6-E4
 <400> 9237

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 gggggcccc cagggggggg ttcaaaaaaa aaaacggggg ggggggggaa aattttggct 180
 tggggggggg ggggggcccc aagggggggc cccccccca ggggtaaaaa aacggggggc 240

ccggggggggg ggccccccaa aattttccaaa agaaaatggg gggaaagggg acaccttggg 300
gcaagggggga aaaagggggg cccccaattg ggggggaaaa gggggg 346

<210> 9238

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-E5

<400> 9238

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tgtgcatcgt gtactctgat tcgtatgaac tatgcatttg cctatggcca aggaatctga 120
gtctttaaga actcacgcct gctgtacatg taccatttta ttgggctttt ctactttcca 180
cacgccggag catccacac gcgagatgct ttgtggcatg ccttgaattt gaatatactt 240
caggctccat ccacggagac gcttaccatt tggtatgtgt gtcacaaag attagggact 300
caatatcttg caccacatga tcatctatct caattctcag ggtagagtta tgacccaact 360
tgacaaaagg cgtcctaaga gccctgttct tatacactgt cgttctatca ggttgctctgg 420
acgggaggat ccaatctctc ttgtccgggc gaaggattcc acaatgcaga tcttacacca 480
cgttgaacac ggccgttcag aacatgagcc gatacgcttg ct 522

<210> 9239

<211> 520

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-E6

<400> 9239

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aagtataact cataagcaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120
gctgttgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actggtgttg tgtcaagaag 240
gcaacagggc tcacatcagc tagctggctg aatggtggta gctgttgctg ttgtaaataa 300
gcagcagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360

gctagctgac tgaatggtag ttgttgttgc aaataagcag cagagttcaa tgcagccagt 420
 tgggttgaatg gaaaaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480
 tgttgtagtt gttgtgcctt gatgttttgt gccacaatat 520

<210> 9240
 <211> 527
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-Q1-N6-E8
 <400> 9240

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 catacgacaa cataacggct ccctctgctg atcaaaacat atcagcgatc tacctcaaaa 120
 acaagttcta ttcttaggta catccttcta ttcttaggta catgctcgag ggtgaaatac 180
 agtggaaaac atagcacaga gctatacatc cggcatcccc gctggcttcg tcttcacttg 240
 atcatgtagc gagagtgaag ggcatatcga cagaaacacg tcaaaagaaa cgcaaggcat 300
 cctcaagctc cttctcatca gtgcagttgt agccaacat aatcgcccggt gcgtaacgctc 360
 cagatcccat gaatggctct gcttcatcca ctacaccagc ctgttgacaga tcggtatcat 420
 cagcatccca ttcattcatca ggacacagcc acctttcaaa gcagtggcca gatatcgtag 480
 aaagaagcag cccactagat tggccaaga caaatccag acaagcg 527

<210> 9241
 <211> 420
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-Q1-N6-F4
 <400> 9241

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 cccccaaggg gggtaagttt agtgagctcg gtctgacaaa gacataggac tgatgaccgc 120
 atgaccatgc tggatcatgc cataccattc atattgtagc atccatcggt cgatcagtca 180
 ctggcaacag gagaatcgct gccggacctg gagcgggatc caagaggtga gcccgagtac 240
 tccttggggg acctgcggtg caaaggagat ccacgctgt ctgctggggg cgacctcttc 300

tcataaacat tgtcagcatc atctttactg gcaggagagt aggacctccg cttcttatct 360

tcacatgct cctttggcag gcgcctggga ggagatgagc gatgggcttc ctgtctcctt 420

<210> 9242

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-F6

<400> 9242

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ggggccctt ttccgggtccc tctcatttg aatctaaaag aggggcccc ccacgatggg 120

gtgctgcccc cacaaggggg gggcatcaa aaagaaccgg gtggttgga acaattgttg 180

ctgctgttg aagggcgccc cccatgggt agccccctt ggggggttaa gtaaccgtg 240

gccctgttg agggccccc caaagttcga cccaatcagt tgggtgaatg gaaatagttg 300

ttgcaagtag gccgcagggt ttgccccaac ttgctgagta agagctggga caatttggtg 360

cagcaactgg tggtgcaacc accgtgttg caggttttta ggggcattgc ccatagcgag 420

cgggctaaat aaaaaaatt gttgctgttg tagggaggcc ataggg 466

<210> 9243

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-Q1-N6-F7

<400> 9243

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tttctggttg ngccacatac actcatcaa aaaactttat tattggaatt acaactaata 120

agcaatctaa aagagggcac caccaatgat gtgtgttg taggaggctg ctgggtttgt 180

caaagcaagt tggacaaagg gcaacaattg ttgtagtgt aagaggggtg cggggtttagc 240

cgcaaactgc tggtagaaag gcagcaactg ttgctgtgtc aagaaggaag cacggcttgc 300

tgcagctagc tggctaaatg gtagtaatat ttgctgtgtc aaataagcag cgagggttcag 360

tgccggccaat tggttaaatg gaagaagttg ttgttgatga gagtaggcag tagctagctg 420
gctgaatggg aatagttggt gctgc 445

<210> 9244
<211> 522
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G10

<400> 9244

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attgttgcag ttgtaagagg gtgccagcgt taggcgcagc gtgctggtag aacggcaaca 180
actgtgggtt tgtcaagaag gtagcagggc tcacaccagc tagctggctg aatggtagta 240
gttgttgcgt ctgtaaataa gcaggagagt tcaatgctgt cagttgggtt aatggaaaaa 300
attgctgggg gtaggcagca aatagctggc tgaatggtag ttgttggtgt tgcaaataag 360
aagcagagtt caatgcagct agttgggtga atggaagaaa ctgctgttgc tgagagtagg 420
cagcaagggt tgctagcaca agttgttgta gttgttggtc cctgatgttt tgtgccaata 480
aatgcaccaa aggtaactgc tgtaataggg ctgatgattg tt 522

<210> 9245
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G3

<400> 9245

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ggaaatttaa aaccaggggg ggggatttga aaaatttaaa accttttttt aggatttttg 120
ggggccccgg gcgggggggg aaaacaaatt aaaggggggg gggggggaaa ccgtttggaa 180
ggaaaagggg gggggggggg gggccataga aaccctaaat ttttttggcc tggggggggg 240
gggggcaaaa aagggggggg tttttggtgc ccagggggc ccaaagttgg gggggggggg 300
ggaaaatttt taaagggggg gggggggggc ccccttggga gggggcgggc gggccaaaaa 360

attcttgggg ttttttaggg gggcccaaaa aggggggtcc ggggggtggg gg 412

<210> 9246

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G4

<400> 9246

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attattactc aatcatcgcc gctaaatgac tcaactagct agctagccag cggctatact 120
acagcacata gtttcttcag tggggggacac cgccggcagc agcgtagggg catggagtcg 180
gctgctgcag gccgcacatc gccgtcagtt gctgcgctat ctgcgccgcc aacagccccg 240
cgacctggcc gctttgcgcc tgctgctgca ggatggactg gaggaccaag ccgaagatcg 300
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actggcactg aggcgagcag tagggcgctc ccgtcgggct gcaactgatgc ctgagaaact 420
cgacgcactg gcccaggatc ggggtgctgc caacgccgca ggttccttgc agctggcacg 480
ggcttggatg cggctgttgg cacgggcatg ggtgtggctt gggga 525

<210> 9247

<211> 545

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G6

<400> 9247

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caaggcaggg ttcacaaag agaactggtt gtatggcagc aattgttggt gctgctgcag 180
gaaggtagcg accaatgggt tagccactgc caatggatta agtaactggt gtcgctgttg 240
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gtagacggca gggttcacca tggctagttg actgagcact ggcataaact gttgcagctg 480
 ttgttgttgc tggatgcag ctacgttcgc cagagcaagt gggttggatg caagcagctg 540
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<210> 9248

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G8

<400> 9248

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 ggggtcttag gggggggccc cccgccgtg ttagccgggg gggggggggg gccgcttctg 180
 gcgggctggc ggccccgggg gcgtcgtgtc tgggggataa ggagggtcgg ggggctcgcc 240
 cccacgggg aggttgctc cgccgcttgg attggcccca gggggaagcg gggccgtttg 300
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<210> 9249

<211> 228

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-H10

<400> 9249

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 tgggcccgtc gcttgcattg cggaatgt tgggggtcca acagggtgtc accaccaggc 120
 gctttttgcc ggtggaccg caaccactgt ggttgggtca aaaacgaagg agggttttca 180
 ccagctccct ggcttattgg gggccccggg gggggccgcc cctcccca 228

<210> 9250

<211> 228

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-H3

<400> 9250

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gaaaatggaa aaaaaaagg gttggggggg ggggacaaag gtttcaagg gggggggggc 120
aagacccaaa tctggttaaa aatttgccac ggggcccag attccgaacc ctaaaggggc 180
aaaaaaatgg tccacttgta aaaaagttcc cccttggttt ttttgggg 228

<210> 9251

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-H5

<400> 9251

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agcaaataaa agctacagat ttacagtact agcacatgtg ttgttgaagt cggctgattt 180
catctttcca ccagaccacc actgaccct atgtacagca cacagacaac catcgcatcc 240
acaccacac taccaaccta ggtatccagt ttctggcagt acgtacacca gatccttcc 300
atatatgcat gaaccaacat aaggcatcaa gctatcatca ccaaatcaac agagtatcat 360
ggaagaatac caaaaagctg ccccatctct ctctccatga agcacacact tggaacttac 420
ctattgccat gcaatgtatt gccattcaat ctagtgtgca caggaggcat ttatcctgtc 480
acctttacgg tcatggaagt cgatggaact tccagcttgg gcagtagcca ccc 533

<210> 9252

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-H6

<400> 9252

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gccacaggg ccccgggcca gtggggggcg ggaaacaaa attcctctac gtggatgggc 120
cccgtggccc aaaaagatgt tcctggtggg ccgccgtggc cccctggggg gtggccggtg 180

gccttggttt tagtcctgt ggccgctggc gggggggccc ctggcgcttt gccccctcct 240
gttggttgcc tggactcgtc tgttgctcgt tggcgccgg gtttgccgcc gcttgctggg 300
tccgagctgg tgcactttgt tgccccaact gttggtgttg gttccttggg gccttgccca 360
ccgggagcgg gcttggtgaa 380

<210> 9253
<211> 284
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-082-Q1-N6-H9
<400> 9253

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tttgtgctcc cccccccgc tgtggggggg gggggggggg ttttttttgg gggggggggg 180
gggcggcccc ccttggtggg ggggggtttg ggcgttgttt gtgtgtggcc ccccgctcgg 240
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<210> 9254
<211> 225
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-Q1-N6-A1
<400> 9254

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tgaacttgac cgggaccttt ctttaaagaa ggaaccgaga gagttttatt tctgattggg 180
ccctgtttca gggcctcgtc ctttccgtgg gccccacctt ccaca 225

<210> 9255
<211> 319
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-083-Q1-N6-A2

<400> 9255

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ggctccgact ggcaagggtc cgcggccctc tttcccgccg ggggtttccg ctgtgttccc 180
ttctgctggc ctccgcccgg tgatgccctt ccgtgcctt ttctggtgc tgccccctgt 240
gtttctcttt ccccttgntt tttttggccc ctttaccctt ctggcttcc cccctttcct 300
cctttggggtt cccccctgt 319

<210> 9256

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-A3

<400> 9256

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ctgctggggtt tgtcaaagca agttggttga atggcagcaa ttgttgccagt tgtaagaggg 180
tgccagcggtt aggcgcaacg tgctggtaga acggcaacaa ctgtggttgt gtcaagaagg 240
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caggagagtt caatgctgct agttggttga atggaagaaa ttgctggggg taggcagcag 360
gtagctggct gaatggtagt tgttgttgtt gcaaataaga agcagagttc aatgaacctt 420
gctggttgaa tggaagaaac tgctgttgct gagagtaggc aacaagggtt gctagcacia 480
attgtttagt ttgttggtgc ctgatgtttt gtgccaataa at 522

<210> 9257

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-A4

<400> 9257

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 cttcttacct cactagtacc agcaccaatc tcaaacaatt ttgcatctct caggagacga 240
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 ttgccattat cgcagtcctt agcaaccgag tatacaaagt atcttgacga ctgcaacgag 420
 gtgtacatat cagccatttt cccctgtatg aactgaaatt caccaattgg acgcccgaat 480
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<210> 9258

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-A5

<400> 9258

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 ggttgttggg agaacactgt tgagtttgtc aaagcaagtt ggttgaatgg cagcaattgt 180
 tgcagttgta agaggggtgcc agcgtaggc atagcgtgca ggtagaacgg caacaactgt 240
 tgttgtgtca agaaggcagc agggctcaca tcagctagct ggctgaatgg tagtagttgt 300
 tgctgctgta aataagcagc agagttcaat gctgctagtt ggttgaatgg aagaaattgc 360
 tgggggtagg cagcaactag ctggctgaat ggtaattgtt gttgcaaata agcagcagag 420
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<210> 9259

<211> 190

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-A7

<400> 9259

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aattgttgcg gttgttagag ggttccagcg tttggcgcat cgtgctgggtt gtacggcaac 180
atttgtgggtt 190

<210> 9260
<211> 533
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 9260

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attattacag tataaatcat aaaaaatcta gaagatggca ccaccaatgg tgggcgggtt 120
caataagggtg gtaggattcg tcaaagcatg ttggctaaat ggtagcaatt gttgttgttg 180
taagaaggca acaatgtttg ccacattctg tgggtagaat ggtagcaatt gttgctgttg 240
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caagaaagca acaatgtttg ccacagcttg cagatggaat ggcagaagct gttgttgagc 360
taagaaggca taagggctcc cgacaagttg gttaaatggt agtagctgtt gtgcctgcaa 420
gtagatagca gggttcaccc cagctagttg attgaatgga agaaactgtt gttgctggag 480
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<210> 9261
<211> 398
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-Q1-N6-B1
<400> 9261

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gtgtcgttgc attgatcagg cctcgtcgtc gtcgttgtca gcaactggcag cagtagcggc 180
agcggcagta ttttgatttt taacgagcgc aacgatcctc gctgcttcgt tcttatacctt 240

gatgccaagc ttttgcattgt cggggatcac agcggggggg tggtcagccc actctaaggc 300
cgccttgagg atcctgtccc acttttggac ctgctttccc tgggttacgg gcaagggcac 360
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<210> 9262

<211> 226

<212> DNA

<213> Zea mays

<223> unsure at all n\locations

<223> Clone ID: LIB3061-083-Q1-N6-B3

<400> 9262

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caagagacat gtagagattt attctatgga gacagcaaaa accccagtcg atatatcaga 120
taggatgatt ggtgatacca aagaggaagc aaacacaaac acacaaagtt tcagaagcac 180
agctactgct tgctccctca ggcgaccttg acctcgatgg gtcttg 226

<210> 9263

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-B4

<400> 9263

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gaaaaacctc acattaaagc acagccattt cacgattttt ggcattcctc acagcattca 180
aattagggct tcttggaac gccttccttg gacacatacc caggaggggc ttcctaactc 240
atTTTTTcct caccacacgc gcacttgggg ggcagggtcaa agtcacactc gtcgcacctg 300
taggaccagc tggtgcccat tttgtcacia ccattacagg ggtacgtacc acggggcaaa 360
aagacaagtt cgggctcgtc atgcaactta tgcttaaact tttgaggcca ccccttcgcc 420
atttaatcca gctTTTTttg tagctcctca agtctctcct cggatgaatgg gaaagcatca 480
gcaccggggt 490

<210> 9264

<211> 501

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-B7

<400> 9264

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aatggtaa at gaggaagttg tattactcca caacaagaat attgttctgc gtcagtccat 180
ctccagcagt gggatattca ggcgacaatc tccattcccc atcaaccaa aacttgatct 240
cgtaccttcc aggtcttagc ttcagagtcg cagagaatct tccgtagtca cctgaatact 300
ccatggacat cgccttgccc tgtgaccatt catcgaatga acccatgac tgcacatttt 360
cagccatgcc aatccagtag acaggaattt cttgggtctt taaagcgtca acactcttta 420
cctgttccat aatcttatca tggacagctt ttaatctgga gagaaaatga aattgaatat 480
atcttccgtt tatcttctta a 501

<210> 9265

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-B8

<400> 9265

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gattcataaa ataattaatg tataatctta ctactactta tgtagtagt gtaggcgtcc 180
acaaccaccc gttctatcgc gcgcagatgc ccgaatcgcg caatcgggtcc gcaaccgccc 240
gcatccgtgc cagcaccgga accgcttctt tcattcttcg tcatecttgc atccacacgg 300
gggatccca gcgctccctc ccgggcaccc gcatccgtgc cggatcacgc agccgccccg 360
taccacggat accagcgtg cctgcaccac acaagcctcc ttgccatgcc ccatgcgtag 420
cgccacacc accgtcc 437

<210> 9266
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-B9

<400> 9266

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aacttttttt ttgaattaca actaataagc catctaaaag gagggccccc ccaatgatgt 180
gttggttggt ggaggccctt cggtctgtca aagcaagttg gacaaagggc aacaattgtt 240
gtagttgtaa aagggttgctg gggtttgccc caaactgctg gttgaaaggc agcaactgtt 300
gctttgtcaa aaaggaagca cggtttgctg cacctagctg gctaaatggg agtagtattt 360
gctgctgcaa ataagcagcg gggttcaggg cggccaattg gtttaatgga aaaagttgtt 420
gttgcttaga gttg 434

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<210> 9267
 <211> 526
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C10

<400> 9267

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agaacactgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
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aataagcagg agagttcaat gctgctagtt ggttgaatgg aagaaattgc tgggggtagg 360
cagcaggtag ctggctgaat ggtagttgtt gttggtgcaa ataagaagca gagttcaatg 420
aacctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta 480
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<210> 9268

<211> 523

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C11

<400> 9268

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aactgaatta ttaagcttca cagcattccc cagcttctgg tccggcatgt agatgaactg 180
aattacagta catgttatta tggccactct acgcagatgg aaccggaacg ggaaaccaga 240
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ggcttgtecc cgacgtaggc gcgcaggagc accgcgtcct tgccctccag tgcctccagc 480
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<210> 9269

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C5

<400> 9269

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ttgggcatcc cgcattcata cccttgcgcg gaggtgaaga gatcatccgg gcgagaagac 180
aagttaattt tatttttgtc tgtgcgcgcg cgcgtggggc gcttcgggtca cacgcgtcgc 240
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gaacagcggg cactaccgg ctaccgccgc ctcttttcca ctccaccgg cttgtgttct 360
cgcccgggca gcgccagcgc cgaggagggg aagctccgtc atcaatcggc cggccggggg 420
ccggtgcccc aggaaagctt agcgtatcgg ag 452

<210> 9270
<211> 539
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C7

<400> 9270

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actgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
gtgccagcgt taggcgcaac gtgctggtag aacggcaaca actgtggttg tgtcaagaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
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agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
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<210> 9271
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C8

<400> 9271

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gctgcaaggg agggttcatc aaagagaacc ggggtgttgg gaacaattgt tgttgctgct 180
gccggaaggg agccaccaat gggtagccc ctgccaatgg gttaagtaac tgggtggcgt 240
gttggggggc cccccaaag tttgaccaa cccgttggtt gaatggaaac aactgttgta 300
agtaggcaac agggtttgcc ccaacttgct gggtcagagc tgggacaatt tgggtgcaaca 360
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<211> 266

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-Q1-N6-C9

<400> 9272

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 aacctcaatg ggatacacag acatgacgcc gcagagcaaa acacgtcgca gatccccctct 180
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<210> 9273
 <211> 458
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D1

<400> 9273

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<210> 9274
 <211> 490
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D10

<400> 9274

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 ttgcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tgttgtaggt 240
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<210> 9275
 <211> 460
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D11
 <400> 9275

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<210> 9276
 <211> 370
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D2
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 agggggccac cttttgggcc ccgggggtgg gtaaaccggc aaaactgggg ggtttttaag 240
 aagggggggg ggttcacacc aactatcggg gtgaaaggga tcagatgggg ttgctttaaa 300
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<210> 9277
 <211> 511
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D4
 <400> 9277

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 gttgtaggtc cccaccaaag ttgacacaa cccgttggtt gaatggaagc aactgttgta 300
 agtaggcagc agggtttgcc acaacttgct gagtcaaagc tggtagaatt tgttgtagca 360
 actgttggtg taggtaccta ggtgcattgc ccaccgagc cgggctaaat aaaaatagtt 420
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<210> 9278
 <211> 532
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D7
 <400> 9278

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cagcaggggtt tgccacagct agctgagtca gagctggtag aatctgttgc agcaattgtt 360
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gtttaggta ggccgagggg ttaccatgg ctagttgact gagcgctggc agaaactgtt 480
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<210> 9279

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-D8

<400> 9279

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tgcgctacgc agcgttcgat tacaactcaa cataaatacg attggtctgc atcatgtccg 180
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ggatcagact tcagctgctt ccttcacttg tccacttggg attgtttctc ttctttataa 300
tagcgggttg aacccaatgt atccttgatc tcctgaaaag atggcaggac gctaggtgga 360
ggtacaccgc cgtcttttat cgcaactaga gcacctgca ttgcacgcac tgatacccca 420
actaaggata aaggatatac tacaagcctg aaaccaattt cctcaagttc agcagggctc 480
aaatatggga gttttaccac caccttctaa catgtttgcc atct 524

<210> 9280

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-D9

<400> 9280

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 gggggccagg ccccccattg gggggggggt tggggctggt gccaaaattg cccccgccct 180
 tggggggggc gggggggccc caaaaacca aaaggggggg ggggggggcc cccccgggtt 240
 tttgggttga accatgttgt aaattgttgg gggaatgttt tggggctaaa tcggccaaag 300
 acctggaaaa cattgggggt gcaatacctg gggttttctg gggggtttca aacgggggtg 360
 gaaaaaggct ttcccaaagg ggtgcccggg ggccttagga attaaagaaa atttttta 418

<210> 9281

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-E10

<400> 9281

gggggggggc aaagggggcc caaaaaaag gggccggggg ggggggtttg ggggaaaaac 60
 cggttttggg gggggggccc ccaaaggccg gggggggccc gggaaaaaaa aggggaaaaa 120
 aaaaaaaaaa aggggggggg gggccccctt tttgggggtt gggggggggg gggccggggc 180
 tggttgaatt tggttttttg ggggcaaaaa aaaaggcccc cggggggggg ggggggttct 240
 taaaagggtt ttccccgggg gggggggccc cggaattttt tttggggccc aagcccctaa 300
 ggggggggtg gggggccccc caaaaattgt ttttggcccc cggggaaaaa tttggggggg 360
 taaaaaaaaa acacgggggt tttttttt 388

<210> 9282

<211> 530

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-E4

<400> 9282

cgagaaagca ttcattcttct tgctgtgctt attattcagc catatgagct agctacaagc 60
 tcattcctca tgcactatgc tcttcgcagt tacttggagg gcatcggtcc gccgccgaga 120
 atccaggggc attcggcgac gccgctgatg gtggccaggt tgcactcggc ctccgtgacg 180

aggggtggcgg cgaatcccct ctgcacctcc cgcgggcagc ccggcaggtc ctctaggcgg 240
 ccctccagct gcgcgtccgg gcccgccggg atcgcgccgt ccatgaggat gctcagcgcc 300
 gtgcaccggc agtacgccgg gatgtccgcc agctcccggc agcatctcct cttcagctcc 360
 ggccacggga ggcgcgccc gatgccgag gtccggctgg tcacgtacca gcggcagctc 420
 gggagcgggt tgtgcgggat ggcccacccc ggcacgcagg aggtcccggc gctggcgctg 480
 gcagccgcga gcacggagag caggacggcg gctgcgagga tgaggcggcg 530

<210> 9283

<211> 467

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-E5

<400> 9283

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 ttagaatttg gaaatgtaac tttttatttt taggggggca cattcattag ccaaaaaact 120
 tcatttttga attacaacta ataagcaatc taaaagatgg ccccccaat gatgtgttgt 180
 tggtagaagg ctgctgggtt tgtcaaagca agttggacaa agggcagcaa ctgttgctgt 240
 tgtaagaggg ttgcgggggt agccacaaac tggtagtaga acggaagcaa ttgttggtgt 300
 ttcaaaaagg aagtggggct tgtttagct agctggccaa atgggagtag tatttgctgc 360
 tggaaataaa cagaggggtt cagtgcggcc aattgggtta atggaaaaaa ttgttgctgc 420
 tgaaagtagg cagtaactaa ctggctgaat ggtagtagtt gttgttg 467

<210> 9284

<211> 543

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-E8

<400> 9284

aatctagnaa agtactttct tatttctggg aagccacaaa catcagacaa aaactttatt 60
 attgaactat aactcataag aaatctaaaa gagggcacca ccaatgatgg gttgttggtg 120
 gaatgctgct gggtttgtca aagcaagttg gttgaatggc agcaattgtt gcagttgtaa 180

gaggggtgcc a gcgttaggcg cagcgtgctg gtagaacggc aacaactgtg gttgtgtcaa 240
gaaggtagca gggctcacac cagctagctg gctgaatggg agtagttgtt gctgctgtaa 300
ataagcagga gagttcaatg ctgtcagttg gttgaatgga agaaattgct gggggtaggc 360
agcagatagc tggctgaatg gtagttgttg ttgttgcaaa taagaagcag agttcaatgc 420
agctagttgg ttgaatggaa gaaactgctg ttgctgagag taggcagcaa ggtttgctag 480
cacaagttgt ttagttgtt gtgccctgat gttttgtgcc aataaatgca ccaaaggtaa 540
ctg 543

<210> 9285
<211> 494
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-Q1-N6-F11
<400> 9285

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accattgtcg agtacatctc atatgtaatc taaaagaggc acctccaacg atggggttgct 120
gcaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgt tgctgctgca 180
ggaaggtagc gaccaatggg ttagccactg ccaatggatt aagtaactgt tgtcgctgtt 240
gtaggtaccc agcaaagttt gacacagcca gttggttgaa tggaagcaac tgttgtaagt 300
aggcagcagg gtttgccaca gctagctgag tcagagctgg tacaatttgt tgcagcaact 360
gttggtgtag gtacgtaggt gcattgccca ccgcgagcgg gctagatgaa agtagttgta 420
ggtagaccgc aggggttcacc atggctagtt gactgagcac tggcataaac tgttgagct 480
gttggtgttg ctgg 494

<210> 9286
<211> 411
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-Q1-N6-F12
<400> 9286

ccaaaaaatt tttttccctt attttttttc ccttcccatt aaaaggggta attaggggaa 60

tgggtaaaaac ggccccccag gggggggggg gaaactcctt tcctaattggc cgttaaaggg 120
 gaaaactagg gggcttggga gtttgtaagg ggctcctttc cattttttcc aaagaaaaaa 180
 tttcccaaaa aagaaaaacc ccccggcatt tttttttaa ggggaggaac ctgggttttt 240
 aaatttaagg cccaaaattc cccaaagttg ggggggttac ggggccccat taaagccga 300
 aagccccccc tgggggtttt tttccaaaa aaacttcaa accaaccct tttccccgg 360
 gaccggggga aaggggccca cctgccttat ttgggggaaa aattttttt t 411

<210> 9287
 <211> 157
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-Q1-N6-F2
 <400> 9287

aacccccaaa gggggggggc ctttttgggt taacgccgtt ttccccaaaa aagggggggg 60
 ggccataggg gccccccct tggggggggg cccgntctc gggggttgtc gggggggggc 120
 ccccggtttt tcaagggcgg gggggggggg gccctgg 157

<210> 9288
 <211> 464
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-F3
 <400> 9288

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 aaagcttttg acctactttg ggtttaaacc cacccaaagc cttccaatgc atttgggttg 120
 ggatgaaaaa aaacaagcct ggttttcctg gcgcctttca aaaaaaaaaa aaaaaaaaaa 180
 acccggtgaa gatttgtttg accccgttcc cagactcaa gacaacctaa gcagactgg 240
 ggaaataact gcccgaacaa atcctcaagg gtttttcgct taaaaaagt ccatttccgg 300
 gtgctcaaac atgaactttt tgaaaatttt ttgcttttgc atttcatcac ttggcggaag 360
 gcccatattgt ttttggggct ggtcaaacat tattttttcc acagtttgtc tagtttcagg 420

atccaaatca aaaagtttgg tggtctcagg ttccaccttt tggg

464

<210> 9289

<211> 506

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-F4

<400> 9289

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atccattcaa cctcatcaca atctgttcct ttctactgtc acttgtgata attaactaaa 120
aaacacccac cgaccgcggt gtaattgtgt acataacctc aatgggatac acagacatgc 180
cgccgcagag caaaacacgt cgcagatccc ctctctctct aactccgtcc ctctctctct 240
ctccctctgg tcccgcaaaa actaggcggt ggaggcacgt tagcgccagg ttttctctcc 300
atgcttacgc agccacagcc gtccacacct tggatgctca cagctcgtcc ttgacgggct 360
cgggcgccgc tgccttctcg gatgccggtg gcccctgggt ggtgggtggg gtggcgcccc 420
ctgcggtctc cttgctcttc ttgatgaagt cgacgatgtc gtccgccgtc ctgccgctgt 480
cgtaggatgt caccttcccc ctcggg 506

<210> 9290

<211> 494

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-F6

<400> 9290

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ggttgccac atacatcatc caaaaaactt tattattgaa ttacaactaa taagcaatct 120
aaaagagggc accaccaatg atgtgttgtt gtaggagggc cgctcggctc gtcaaagcaa 180
gttgacaaa gggcaacaat tggtgtagtt gtaagagggt tgcgggggta gccgcaact 240
gctggtagaa aggcagcaac tggtgctgtg tcaagaagga agcacggttt gctgcagcta 300
gctggctaaa tggtagtagt atttgctgct gcaataaagc agcgggggtc agtgcgccca 360
attgggtaaa tggaagaagt tggtgttgct gagagtaggc agtagctagc tggctgaatg 420

gtaatagttg ttgctgcaaa taagcagcag ggttcagtgt agacagttgg ttgaatggaa 480
gaaattgttg ttgc 494

<210> 9291
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-F9

<400> 9291

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atttagacat ctggtttcag ttacagaagg cagtacgtgc tttaggtcta cgagagacca 120
atagcttgtc agcccattgc atattttctga gtccagctcc tagcagtcga ttcgtacttc 180
acgcgatcag tcttgtacaa gtgagcaatc tctgggacca acggatcgtc aggggtttggg 240
tccgtcagaa gggaacaaat tgagaggagg accttagaaa ctgtcagtgc agggctccat 300
tgctccttca agatatcaag acagatgctc ccgttgctgt tgatattcgg atggtaaa 358

<210> 9292
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G1

<400> 9292

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ggttggccac atacatcatc caaaaaactt tattattgaa ttacaactaa taagcaatct 120
aaaagagggc accaccaatg atgtgttgtt ggtaggaggc cgctgggtct gtcaaagcaa 180
gttgacaaa gggcaacaat tggtgtagtt gtaagagggt tgcgggggta gccgcaact 240
gctggtagaa aggcagcaac tggtgctgtg tcaagaagga agcacggttt gctgcagcta 300
gctggctaaa tggtagtagt atttgctgct gcaaataagc agcgggggttc agtgcgccca 360
attggttaaa tggaagaagt tggtgttgct gagagtaggc agtagctagc tggcttaatg 420
gtaatagttg ttgctgc 437

<210> 9293

<211> 250
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G10

<400> 9293

gaaaagaata taaaatagtt tttatgtaaa tgactgacta aataataatt tagaggatgc 60
tcttagatga tttcgtctat ctgttggtgtt cgctgcaatc aagatcatgt atcgaccaac 120
aacatgctaa tccttactta cagataagga ggatagattt tgcagaaacc aaacagctta 180
aatctcctaa cctagctaaa cccacagacc cactgacgaa cattcaatcc cgagagcacc 240
aaaaccggcg 250

<210> 9294
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G12

<400> 9294

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aactttaact cataaaaaat ttaaaagagg gcaccaccaa tgatggggttg ttggtagaac 120
actgctgggt ttgtcaaaac aagttggttg aatggcaaca attgttgcag ttgtaaaagg 180
gtgccaacgt taggcgcaac cggctggtag aacggcaaca actgggggttg tgtcaaaaag 240
gtaacagggc tcacaccaac tagctggctg aatgggagta gttgttgctt ctgttaataa 300
accggaaagt tcaaagcctc tagttggttg aatggaaaaa attccttggg gttggcagca 360
agtccttggc tgaatgggaa ttttgttgtt tccaataaaa aacaga 406

<210> 9295
<211> 538
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G2

<400> 9295

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cattatcgag tacatctcat atgtaatcta aaagaggcac caccaacgat gggttgctgc 120
 caccgacaagg cagggttcat caaagagaac tggttgtatg gcagcaattg ttgctgctgt 180
 aggaaggcag cgaccaatgg gttagccacc gctagtggat taagtaactg ttgtcgctgt 240
 tgtaggtacg cagcagagtt cgacacagtc agttgggtga atggaagtag ttgttgcaag 300
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 tgttgttgca acaactgttg ttgcaggtat gtaggtgcat tgcccatagc gagcgggcta 420
 gatgaaagaa gttgttgctg ttgtaggtag gcgatagggt tcaccatggc tagttgactg 480
 agcgctggta gaaactgttg caactgttgt tgttgttggt atgcagctac ctttgcca 538

<210> 9296

<211> 254

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G6

<400> 9296

ggttggtctc tttctttttt caaaaaactt ttttttgggt ttttctcttt tttttatttt 60
 tgaagagggc cccccctatt ttgggggggg ggccggccgg ctccccaaaa tgtttttggg 120
 ggggtggcccc cgggcaacaa ttgtaaaagg gggccccccc ctgcgggggt tgccggaaac 180
 gggctgtgga tggctccaaa cggggggggc ccagggaaaa aaccgggctt gctggaaaaa 240
 gggggggggg tggc 254

<210> 9297

<211> 524

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-G8

<400> 9297

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 cgacactagt aaaagggcaa actcttccat aggcaaattc aagggtctaa cagttctgtc 120
 tccaggcaag cacactcact tgaagcattt cgcgtcaagc aaggcctcgc cctcaaaggg 180
 ctcttggtcc tcaatcatcg cattgacacg ctcttctgtg gcctcatcag agatgtccac 240

cttgggtccac tcgtagagct ccatgtcata gacctcgctcc attacaaact tgggaacatc 300
ctggccacgg aagagccaaa ggcccttcag cttgaagggt ggctcagagc ctatcacgag 360
catcttccca aaggcgtact tgcggcacag gtccatccgc tgcaggaatc caccaacctt 420
gttcagggtc acaaaggaga cggngttctc atcattgtac ttgtagtcac agaaccacaa 480
agagtagccc tctgggtcgt acatgtccca aaaacctttg atgg 524

<210> 9298

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G9

<400> 9298

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ccttgccaggc caatagcaca ttagaatttg gaaatgtaac ttcttatttc taggaggcca 120
catacatcag ccaaaaaact tcattattga attacaacta ataagcaatc taaaagatgg 180
caccgccaat gatgtgttgt tggtagaagg ctgctggggt tgtcaaagca agttggacaa 240
agggcgacaa ctgttgccagt tgtaagaggg ttgcgggggt agccacaaac tgctggtaga 300
acggaagcaa ttgttggtgt ttcaaaaagg aagtggggct tggtgtagct agctggccaa 360
atggtagtag tatttgctgc tggaaataag cagagggggt cagtgcggcc aattggttaa 420
atggaagaaa ttgttgctgc tgagagtagg cagtagctag ctggctgaat ggtagtagtt 480
gttggtgttg taaataagca gcagggttca gtgtagacag ttggttgaat ggaa 534

<210> 9299

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-H10

<400> 9299

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ttgggtgtga cgtgcctagt tgctaatacct ctgaaagaaa agagggggcc catttccttg 120
ggcagggtcaa cagatactgg gaccttgctg tcgttaaaga ttggccacct cccgtctttg 180

aggacatgag ctacgtagtg cccccagtgg gtagaggggc ccatttgggt cacgaacgcc 240
atcagcttgt atttgccact tccatttggga atatttgtgt catcagcatt tacattgggt 300
gtggaagaat cagcaaatgc tgaggtagat gcttcggggg ggctgaaaat ccagtctgta 360
gctttctcga ttttaccact agaagctttt agggccttta tggcaatgtc tttctgggat 420
cccaaggaga tgagagtttt gaacacttgt tttgt 455

<210> 9300

<211> 152

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-H11

<400> 9300

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anaaaaaaan ttttgnnggc cggtttgctg gtgagggggc ccagcccaca aaaaaaaaaa 120

aaaaaaaaaa gaangggggg gggagggggg gg 152

<210> 9301

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-H5

<400> 9301

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nggggggggg ggggggngng ggggggnggg gggggggggg gggggnnngg gnggggnggg 120

ggggggnngn ggnngggggn gggggggggg gggggggggn ngnnnnnggn nggnggnggn 180

gggggggggg gggggggggg ggggggnggg gggggggggg gggggggggg gggggggggg 240

gggggggggg ggnngggggg gggggggggg gggggggggg gggggggggg gggggggggg 300

ggnngggggg gggggggggg gggggggggg gggggggggg ggggnngggg gggggggggg 360

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 420

ggnngggngg gggggggggg gggggggggg gggggggggg gggggggggg ggggggnggg 480

ggngggggggg gggngggggg gggnnnnnggg gggggggngg nggggggggg ggggggngg 540

gggggggggg gggggggggg gggggggggg ggggggnggg ggggggg 587

<210> 9302

<211> 269

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-H7

<400> 9302

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acaagggggc ccgagggcca ngannacgcc agggggggcg acacgaacnc ancaggggca 120

gccagcagca gggggggggc ggacngaanc agggggaacn cacgcgccgg gacgccggg 180

ggcaccagn nncncggga acgggcagag gcgnnaagc cncgcgccgg ggcggccgca 240

ncccgagc gncaggccc ggcgacaaa 269

<210> 9303

<211> 561

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-A1

<400> 9303

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gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggnnngn 120

nnnnnnnnnn nnnnggggg gggggggggg gggggggnnn nnnnnnnnnn nnnnnngnnn 180

nnngnnnggg gggggnnngg gggggggggg gggggggggg gggggggggg gggggggggg 240

ggggcggggg gngggggggg gggggggggg gggggggggg gggggggggg gggggggggg 300

gggggggggn gggggggggg gggggggggg gagggggggg gggggggggg gggggggggg 360

gggggggggg gggagggggg gggagggggg gggggggggg gggggggggg gggggngggg 420

gggggggggg ggggagggg gggagggggg gggggggggg gggagggggg gggggggggg 480

ggggggggag gggggggggg gggaggagg gggggggggg gggggggggg gggggggggg 540

gggggggggg gggggggggg g

561

<210> 9304

<211> 458

<212> DNA

<213> Zea mays.

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-A11

<400> 9304

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ccccccccc cccccaaaa cgggncnnc cccccggcg gggcgggcg gggggggcg 180

cggcgggggg gggggggggg ggcggcgggg gcgggggggg gggnggggg gcggcgggag 240

ggcgggcggc gggggggggg gggggggggg gggggggggg gggggggaag ggnnggggg 300

gggggggggg gggggggggg gggggggcg gggggggggg gggcgggcg gcgggggggg 360

ggcggggagg gcggngggg ggggggggag gcgggggggg cgggggggg ggggggggg 420

ccgggggggg gggggggggc cggggggcg gggggggg 458

<210> 9305

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-A2

<400> 9305

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gggggggggg gggngngnng ggggnnnggg gggggggggg ggnnnnnnnn nggggggggg 180

gggggggggg ngnnnnnnnn nnnnnngnnn ngnnnggggg gggggggggg ggggggggg 240

ggggggggng gggggggggg gggggggggg gggggggggg gggggggggg ggggggggg 300

gggggggaag gggggggggg gggggggggg gngggggggg gggggggggg gggggggng 360

nggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggggggg 420

gggggggggg gggggggggg gggggggggg gggggggggg ggaggggggg gggggggagg 480
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 agganggggg gggggaagg gg 562

<210> 9306
 <211> 436
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-A3
 <400> 9306

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 gggggggggg gggggggggg gggggggggg gggggggggg gngggggggg gggggggggg 180
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 nggggggggg gggggggggg gggggggggg gggggggggg gggggggggg nngngggggg 300
 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 360
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 ggggggnggg gggggg 436

<210> 9307
 <211> 62
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-A4
 <400> 9307

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 tt 62

<210> 9308
 <211> 332
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B1

<400> 9308

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tttttttttt ttttgggttt tttccttttt tttttttttt ctctgttccc tgggtgtttt 180
tgtttttttt tgcttggtct ttcttttttt cttttttgtt gttgtgggtt ttttttttgt 240
ttcttttttt ttcttttttt tttttttttt tttgtttttc ttgtttgtgg tttcgcccc 300
gccccctttt tttttttttt tttttttttt tt 332

<210> 9309

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B11

<400> 9309

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tttaaaatct gggaaatgta acttcttatt tctggttggc ccatacatc actcccaaaa 120
actttattat tgaattccaa ctaataagcc ttctaaaaga ggccccacca atgatgtgtg 180
gtgggtggga ggccgctcgg tctgtcaaag caagttggac aatgggcaac aattgttgtc 240
gttgtccgag ggttgcgggg ttagccgcta actgctggtt ggtaggctgc aactgttgct 300
gtgtcttgat ggtagcacgg tttgctgctg cttgctggcc ttttggtcgt tgtctttgct 360
gtgcctctt tgccgcgggg tt 382

<210> 9310

<211> 495

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B3

<400> 9310

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aggacctggc tcaccgatgc aatggaacac aaaacactct tacactattc acattacttg 120

caccacaacc gattattata gtagcattga ccaacagaac cgattatcag tagcgacgct 180
gacaacataa caggtgctat gcgctgctcg ctgggggcta catcgaggca ttaacaaagg 240
cggttacatc tctaggccat aacaagctct gcgaggggtga gaacatgtag aagtatctta 300
cacatctcag gaaggggaat ggccattagc ccattagatc aggaagaacg gcgaggcaaa 360
acgggaggcc gagttgcttc tgcgcattgt gaagccccgg aggcgctcca gattcatcac 420
gtcagagtgt tcaacaaaga gatttaccct tggggcataa cgtctgacga accactccga 480
ggtggttgag ttgga 495

<210> 9311

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B5

<400> 9311

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ttgcacaaat aaattattga gcatcataca tgtaccggtc cattaatttg atgtccatac 120
ctatgacgtt tgctcaaate ggacatacat aatgtcagca ccaaagctat cggaagcacc 180
aaaaagatcg gctagatctc ctatgaagaa tgaagcgcag ggtgttcttc cacagcttag 240
cgctttgtac tgcttgacg agcggggcca aaatagtctg tcaccagacc cataacagca 300
aacatgaagg ccatagaaag ctgcttcaga tcgctctcaa agttcttcat gtttgccaac 360
gactgagcgc agaagatgat tgcgatccac gagcacacct tgtagcggag catgacgccg 420
aggacgccga agaccacggc gaggaagcct gcatagtcga tgggtaggtc ctggggcgac 480
agcttc 486

<210> 9312

<211> 212

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B6

<400> 9312

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tttttgtttc caacccccct ttatggcatt gctggggggg ggatcttttt tgttttttga 120
 ggggccccctg ccttacattg gtggggggggg tttttccggg ggtttttttg gcaccacccc 180
 tcccgttggt tgggggggttc cccccccctc ac 212

<210> 9313

<211> 514

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-B7

<400> 9313

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 gggcaccatt gtcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt 120
 tgctgcaagg cagggttcat caaagagaac tggttgtatg gcagcaattg ttgttgctgc 180
 tgcaggaagg tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc 240
 tgttgtaggt acgcagcaga gtttgacaca gccagttggt tgaatggaag caactgttgt 300
 aagtaggcag cagggtttgc cacagctagc tgagtcagag ctggtacaat ttgttgctgc 360
 aactgttggt gtaggtacgt aggtgcattg cccaccgcga gcgggctaga tgaaagtagt 420
 tgtaggtaga cggcagggtt caccatggct agttgactga gcaactggcat aaactgttgc 480
 agctgttggt gttgctggta tgcagctacc ttcg 514

<210> 9314

<211> 515

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-B8

<400> 9314

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 attattgaat tacaactaat aagcaatcta aaaggggcac caccaatgat gtgttggttg 120
 taggaggccg ctcggtctgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 180
 aagaggggtg cgggggttagc cgcaaactgc tggtagaaag gcagcaactg ttgctgtgtc 240

aagaaggaag cacggtttgc tgcagctagc tggctaaatg gtagtagtat ttgctgctgc 300
aaataagcag cgggggttcag tgcggccaat tggttaaatg gaagaagttg ttgttgctga 360
gagtaggcag tagctagctg gctgaatggc aatagttggt gctgcaaata agcagcaggg 420
ttcagtgtag acagttgggt gaatggaaga aattgttggt gctgagagtt gggagaaagg 480
tttgccagag ctacttgggt tgatcacagg tagca 515

<210> 9315

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B9

<400> 9315

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aaatttatta ttacagttaa aagcctaaaa aatctagaag atggtaccac caatgggtggg 120
ctgatgcaat aagggtgtag gattcgtcaa agcgagttgg ctaaattggca gcaattgctg 180
ttgttgtaag aaggcgacaa tggttgccac attctgtggg tagaatggca gcaattgttg 240
ttgttgcaag aaggcgtaa tggttccac aacctgtggg taaaattggca gcaattgttg 300
ttgttgcaag aaagcaccaa tggttgcaa caactttgtt gacggaatgg catcaactgt 360
ttgcctc 367

<210> 9316

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-C1

<400> 9316

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gnnggggggg ggggggggnn gggggggggg gggggggggg gggggggggg gggggggggg 120
gggggggggn gggggggggg ggggggnngg gggggggggg gggggggggg gggggggggg 180
ngngnggggg ggggggaggg gggggggggg gggggggggg gggggggggg gggggggggg 240
gggggggggg gggagggggg gggggggggg gggggggggg gggggggggg gggggggggg 300

gggggggggg ggggggggga gggggggggg gggggggggg gggggggggg gggggggggg 360
 gggggggggg gagggggggg ggaggggggc gcgggggggg gggggggggg gggggggggg 420
 gaagaggggg gggagggggg gagggggg 447

<210> 9317
 <211> 538
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-C5
 <400> 9317

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 tcgtcttact gcattattac atatatagat agagagggat ggatagagga gatttcccaa 120
 atatcatgaa tcagtagtag ggcggaatgg cagcggagac gccacagggg ttggtgcggg 180
 agctgggcag ctggtactgg tactggtaga gtccacccat ggccggcatg ttctgcgcca 240
 tcatcatggc catgggggtg agaccctggg ctgccagcag ctgctgctgc tgctgcatca 300
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 gcagctgctg cgcgacggac tgcacgtcca tcactctcat ctgctgctgg cagcactgtt 420
 gccggagcgg ctggtacatg gcgctcgtct gccacacccc ggcgtagtag ggcgccgccg 480
 ccagcgggct gcaactgcggc tgcctcaggt actccgcgta ggggtacagc ccgccggc 538

<210> 9318
 <211> 519
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-C6
 <400> 9318

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 taagtcatgg aatgtttatt ttaagcatgc atgcatcttt atctatcgct cttagcgtgg 120
 caagagggct agctagagca gcgttggtgc gacacgccac accatgattt gagaacgggt 180
 ggaggagtaa tcgtcgtctg cagggatgat ggccctcggt ttgttggtact ccgccatcac 240
 caacctttgc acgaacttga tcgaatcctg cgactggctg ggctcggatg tggggaagcg 300

gtccacctg gaaggggtccc agaggagggtc actggcggaag gcaaagccgt ggacggagtc 360
 gtcgaccgtc actggggggcg ctgccgctgc cgctgccgcc aataatgtgg agtcggaggc 420
 ggagaaccat gcacatgctg tggatgctgc gctgggtgctg gtgggtggtg ttgcagacga 480
 cgacggggccc ttccacggcc accctcttct cctgctccc 519

<210> 9319

<211> 508

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-C7

<400> 9319

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 gcctcgccaa gacaggattc atcaaagaga actgggttgtt tggcagcaat tgttgctgct 180
 gtaggaaggc ggcgaccaat ggggttagcca ctaccaatgg attaagtaac tgttgctgct 240
 gttgtaggtc cccagcaaag ttcgacagag tcagttgggtt gaatggaagc agctgttgca 300
 agtaggcaac aggggtttgcc acagctagtt gagtcagagc tggtagaatac tgttgcaaca 360
 attgttggtt cagggtttgta ggtgcattgc ccacagcgag cgggctagat gaaagcagtt 420
 gttgttggtt tacgtaggcg gcagggttca ccatggctag ttgactgagc gttggcagaa 480
 actgttggtac ctgttggtgt tgctgggtt 508

<210> 9320

<211> 519

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-D10

<400> 9320

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 tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttggt 120
 ggtagaacac tgctgggttt gtcaaagcaa gttgggtgaa tggcagcaat tgttgagtt 180

gtaagagggt gccagcgta ggcgcaacgt gctggtagaa cggcaacaac tgtggttggtg 240
 tcaagaaggt agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
 gtaaataagc aggagagttc aatgctgcta gttggttgaa tggaagaaat tgctgggggt 360
 aggcagcagg tagctggctg aatggtagtt gttgttggtg caaataagaa gcagagttca 420
 atgaacctag ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg 480
 ctagcacaag ttgttgtagt tggttggtccc tgatgtttt 519

<210> 9321

<211> 355

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-D2

<400> 9321

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 gacttttact cattagaaat cttaaagagg gcccccccaa tgatggggtg ttggggggac 120
 gctgctgggt ttgtcaaagc aagttggttg aatggccgca attgttgccg ttgtcagagg 180
 gtgcccgcgt ttggcgccgc gtgctggttg aacggcccca actgtggttg tttcaagaag 240
 gtggccgggc tctccccgc ttgctggctg cntggctcgn ggtgggtgctg ctgtttattc 300
 gccggggagt tcaatgctgc ccgttggttg gttggtataa attgctgggg gttgg 355

<210> 9322

<211> 548

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-D3

<400> 9322

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 accaaacaaa tggcactttc agttaaaccc tgacaaataa cgccaccagt tgatttcatt 180
 tgccctgacc catattagct gtctcactac gctcaaacia agtgcagggt tacacaagca 240
 ttgtcaggcc acgctaacag ccataataat taacaaaatc ctcaccgagc acagcacata 300

tcctgagaaa gttgcaaaac accaaattta tctcttctca cgttaagaga agcaggacct 360
aatcgccctt gcgacggaag gagcaccctt cgggtgagcct ggccttccca ccggttggtt 420
ggcagagaac agtttggcag cctgggcaca caaccacagt ctgggagtggt ctgaacacag 480
tggttatgct gaaacagccc tggcacttga catccatgaa gaaggagtgt ggggactgga 540
ctagccgc 548

<210> 9323
<211> 551
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-088-Q1-N6-D6

<400> 9323

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gaagggtcccc gaactcccgga tgctcgatcg ccttcgtcag aagggagcgg gccattcaa 120
ccagactttc atctcccaat ggctgagaag catcaacagg ttttcttctt gtgatcagct 180
ccaaaagaac aacccccaaaa gaatatacat cagactttgc tgttaacttt cctgacaatg 240
catactctgg agccaaatac ccaaagtgtc ccatgacacg tgtggtaaca tgtgtattgg 300
aatcagccgc taaccttgca agtccaaaat cagaaacctg agcttcaaag ttgttgtcca 360
acaaaatatt ggatgattta atatctctat gaataatacg tggatgacaa tcttcatgga 420
ggtaaccaat ccttcggggt gctccagctg caatcttaac ccttggtccgc caatccagt 480
atgtttcact tacatggagg tggtaatata gtgtgttggt gggaacaaaa tcataaaca 540
gcattcgtg g 551

<210> 9324
<211> 490
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-D8

<400> 9324

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cctatgggta gctagtcagc ggctccatta cattattact acagtccata gtttcctcag 180
tggtagacac cgccggcagc tgcgttgcaa gggcagggac ctggctgctg cagctgcaga 240
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tgcggctgct gctgcaggaa ggactgctgg accacaccgt atgtcgctg gtaccggtgc 360
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gagccgtagg gcgttccgc cgggctgcac tggtgctca ggaactcgac gcactggccc 480
aggaacgggc 490

<210> 9325
<211> 516
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-088-Q1-N6-E10
<400> 9325

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tacttcgttg ccgttcatgg agtggtgagt aaatgtaaac ttaaagctt tcgcacagct 180
caaactacca agagttcctc caggcaaac caccagctac accgtcaact gcgacctata 240
agtagatcag cgtctcttct tgcttgctt tgagctgctc ttcgacgggc tcgcgacaag 300
gtagataaac agtccaacaa aagagacaac agacacaagt gaccogtatt tcatcacaag 360
cctcttagcc cattcaaact tcttctctgg aggtctctca gcgagaatat ccagtgggaa 420
gatgggagtt gagtatgcct cctgaagagc tgtctttgtg ggaacacggt atgtaatgat 480
agctggtgaa ccctggaacc tgcctgtgt tttggt 516

<210> 9326
<211> 484
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-088-Q1-N6-E11
<400> 9326

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 gaggaagggc caattaacga aaaatacagc ctcaaaaccc atgatccatc attgcaaaac 180
 ccagttaatc atccttctat tcctaaatac ctgacacgcc cgaacacaga acatgacttt 240
 taccaaacac aagcaacttg ctaagcctct agctcctttg aactcttgga aacaagctca 300
 atgggacatt aaaattttct taaacaaccc accacattct taggttcaac ccagacacca 360
 ctgtcaacgg gttgggctta cgaaaaattt aacagccctt tttacccgcc aacttttcaa 420
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 cttt 484

<210> 9327
 <211> 385
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-E2
 <400> 9327

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 aactataact cataagaaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120
 gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tttcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg cttgtaataa 300
 gcaggagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gttggcagca 360
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<210> 9328
 <211> 548
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-E4
 <400> 9328

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gaaacttctc tatacaccca gatatatgat atatccctgc acctacaata caatcctcct 120
 ctgctgtccc tctcaaaactc ttctttattc acagccaatt ttaaccacca atcccaagcc 180
 taaaacgctc cgaatagacc cagcagacca cccgtcacct tcaatccaat ccctttcagc 240
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 aactatcctt ccgttccgtg ctcttgaggc atgcagccat caaccaacag tatttgctaa 360
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 gagagcagaa ccaactatcc ttccgttccg tgctttctgag attctttcta tcaatgcagc 480
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 tgtggggg 548

<210> 9329
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-E6

 <400> 9329

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 gggggggaaa accccggggg gtttttaaaaa aaaagggggg gaaaggggaa aaaatggggg 180
 gggggtgttg gttggggggg gggggcccc gggggggggt ttttttttaa aaaaaaacc 240
 tttggggggg gggggttttt tggggggggc ataaaaacct gggggggggg ggggtgcccc 300
 cccggggaaa tttggggggg ggggtaattt tttttttttt ggggataaat tttttggggg 360
 gtatttnccc cgcccctggg gtt 383

<210> 9330
 <211> 527
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-088-Q1-N6-E7

 <400> 9330

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 acaaaacttg taatgatgaa aactaggtat tgctaaagca ggcgaggat cgcattcattt 180
 cttcttggca gcagccttgg tcaccttggc gccggttggg tccttcttct ccacactctt 240
 gataactcca acagcaaccg tctgcctcat gtcacggaca gcaaacctac caaggggagg 300
 atacgtgag aatgtctcca ccaccatggg cttggtgggt atcatcttca ccataccagc 360
 atcacggtt ttcaggaact ttggctcctt ctcaagctgc ttgccagacc gcctgtcgat 420
 cttggtaatg agctcagcaa acttgacagc gatgtgggag gtgtggcagt ccagcacagg 480
 ggcatagccg ttgccaatct gcccaggggtg gttcatgatg atgacct 527

<210> 9331
 <211> 367
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-088-Q1-N6-F2

 <400> 9331

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 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
 ggcagcagcg taggggcatg gagtcggctg ctgcaggatg gactggagga ccaagccgaa 240
 gatgccttgg taccggtgct ggggtccac ctgcctgagc tgctggcaac actgctgccg 300
 caacgactgg cactgaggcg agcagttggg cgtcgccgctc gggctgcact gatgcctcag 360
 aaactcg 367

<210> 9332
 <211> 509
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-F4

 <400> 9332

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attacaacta ataagcaatc taaaagagggc accgccaatg atgtgttggtt ggtagaaggc 120
 tgctggggttt gtcaaagcaa gttggacaaa gggcagcaac tgttgcagtt gtaagagggt 180
 tgcgggggtta gccacaaact gctggtnгаа cggaagcact tgttgttggtg tcaagaagga 240
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 agagggggttc agtgcggtcca attggtnnaa tggaagaaat tgttgctgct gagagtnggc 360
 agttgctagc tggctgaatg gtagtagttg ttgttgctgc caataagccg cagggttcag 420
 tttngacagt tggttggttg gaagaaattg ttgttgctgt gagttggggg aaaggtttgc 480
 cagagctact tggctggtca ctggtagca 509

<210> 9333
 <211> 283
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-F6

<400> 9333

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 tcataaacca ggttatagga cacagcatgc tcacacatgg agccacgaaa taccaaaacg 120
 atgcaaactc gccacacatg tgggagcaaa tgaagggggc ataacttaag actaggtngc 180
 gatgatgaac atggcgaacc ctaaaagcac ttgacgaact tggcagaaac ctagaagcac 240
 ttctgtgaa caattgccgg gccagactca tegtactcct cct 283

<210> 9334
 <211> 519
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-F7

<400> 9334

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 tgctggggttt gtcaaagcag ggtggttgaa tggcagcaat tgttgcagtt gtaagagggt 180

gccagcggtta ggcgcagcgt gctggtagaa cggcaacaac tgtggttgta tcaagaaggt 240
 agcaggggtc acaccagcta gctggctgaa tggtagtagt tggtgctgct gtaaataagc 300
 aggagagttc aatgctgcca gttggttgaa tggaagaaat tgctgggggt aggcagcagg 360
 tagctggctg aatggtagtt gttgttggtg caaataagaa gcagagttca atgcagctag 420
 ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg ctagcacaag 480
 ttgttgtagt tggttgccc tgatgttttg tgccaataa 519

<210> 9335

<211> 499

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-F8

<400> 9335

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 cttoctctcg gcaggggcag gacgccagga ccccgcgcaa anacaggggtc ctacggttct 120
 ttttttttta catgacattt gagtgacaac tacatgacgg agcagggcgtt ggggttctcg 180
 tcgctgaaga tctgcggcgc catgggctgc tgctggtgca ggtgggtgggt cgggcgcgcg 240
 tagaacggcg gcgggtaggc cggctggtag gcgtacgggt acccggagg cgggcggtag 300
 gccggcgggt ggtagtacct tccagcgaac gggaaccgcg ggtagtgcac gtacaggctg 360
 gcggccgggt ccttgctctt gtcgccggcc tegtcttct tgctgcgctc tccgtcgccg 420
 ccggccttct tctctcatt cttctcgccg ccggccttct tctcttctc ctccttgccg 480
 gccttcttct tctctgctt 499

<210> 9336

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-F9

<400> 9336

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 gtacaaagac ggcaccccca caccaccaag caaatgaatg aatcagacag acagacaatc 120

aaagacacac gcgcagtaca gggctctgca acgacgacga accggctggc tagtatttgt 180
 gctggaagtc ctcggtggcg ggcgtgggct ggtacccgac gccgtgccgg ttgttgggga 240
 acaccatgaa gacgtagccc gcgacggcgc cgacgacggg cgggagcacg gccatcatgg 300
 tgggctcggc gagctccagc gccgggtaga ggcaggcgac ggtgtcggcg tcgaggagcg 360
 cgaggggtggc gaagacgagc agcgagagcg cggcgtgcgc gaagtcgccg gcgcggaggc 420
 ggtacgccga caggtcccg ggcggcggcgt cggggtcggg cgtgaagggtg cgcaggcccc 480
 gccgcgtcac cacgccgtag tacacgcgcc cgtccgcgcc cacgtagctg tc 532

<210> 9337
 <211> 364
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-G11

 <400> 9337

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 tttttttttt tttttttttt ttgtgggggg gggggccggg cccctttctt ttttttccct 180
 ccccnctttt ggggggcccgc ctggggcctt tttttctccc cctttttccc tcctnttccc 240
 ttgccccccc cttggggcggg gcccctctt cctggggggc cccccccgg gtgggctccg 300
 cccccccgc tggggggggc ttcttccctt ttccccgttc cctcccgggg gggggggggc 360
 ccct 364

<210> 9338
 <211> 379
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-G2

 <400> 9338

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ttaaaggcca aaatgggggg gggggggggg ggttttcccc caaaaaaatt tttttggggg 180
 ggggggacccc ccgggggggcc cggggggggg gggggtgggt gtttcgggcc cccccctccc 240
 gcggggggggg ggggtttttt ggggggcca aaccccccg ncgggggggt ttttgggggt 300
 ttttcgcggg gggggctggg ggcccaacc caaatccccg ggggcccggg ggggggggtc 360
 cccccgggg ggtgggggg 379

<210> 9339
 <211> 503
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-G5
 <400> 9339

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 gtttacaatc aaagatggca gacaactcga ccgggtgcat tgcaacgtgc aaggatgcag 120
 attagtggcc atcactttga tgcagatgag cgagcttgcc gacgacgata tgcacggggc 180
 cttctactgg ttacatgcat atgtgattcg agccttcata ggatgacact cggcaaacag 240
 aggcgcaatg catgtcgaca ggcgaactca cccgggctta tgaattgaaa cctcatcaac 300
 cccttaatcc atatggattg ggatagaact gaataagccc tagatgggaa ttaatccacc 360
 atcttgctcg ttgccggcaa tcaagccatg ccacctctta tcttgcatc aattcggagt 420
 tggttgaaca agagatatgg caagttttca ggttttcagg tgaactgaac tgttcatac 480
 ctgcatgccc cgggctcttt aaa 503

<210> 9340
 <211> 477
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-G6
 <400> 9340

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 atgatggggt gttggtagaa cactgttggg tttgtcaaag caagttgggt gaatggcacc 120
 aattgttgca gttgtaagag ggtgccagcg tttggctttg cgtgcgggtg gaacggcaac 180

aactgttgtt gtgtcaaaaa ggcagcaggg ctcacatcac ctagctggct gaatggtagt 240
 agttgttgct gctgtaaata agccgcagag tccaatgctc ctagttgggt gaatggaaaa 300
 aattgctggg ggtggggccgc aactacctgg ctgattgggt attgggtgtg ccaataagcc 360
 gccgttttta ttgcaccag ttggttgaat ggaaaaaacc gatgttgctg aaagttttct 420
 ccaaggggtt tttccccaat ttgtttgttt ttgttgtgcc cttttttttt gtgcccc 477

<210> 9341

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-G8

<400> 9341

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 gtcaatttgg caacttcac cttccataat caatatatct acagctacat aatgttctga 120
 cccaaggtgg cgggaaagag gaaaaatttc aggcacttgt catgatgagt aacttcaga 180
 tgaacagtta ggtatgggat tatttgggtt ctctgatagt agcccaatgc tgccctcaaa 240
 cttggcgccc gcttgtgtt gtctcgatgc atccacagga gaaccttaac aggctagagc 300
 tgctggaagc aaaatggctt tcactatcac attttgttgg accccataaa tttgtttttt 360
 ctctcagcag gtttcagaat ttgggatgag cacatcaaag tttcatcggc actcatcatt 420
 gccccagcat tatcaaattc accacaataa ttggggggccg cgaatatggt gacaagctgt 480
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<210> 9342

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-H10

<400> 9342

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 aactttatta ttgaattaca actaataagc aatctaaaag aggcaccacc aatgatgtgt 120
 tgttggtagg aggccgctcg gtctgtcaaa gcaagttgga caaagggcaa caattgttgt 180

agttgtaaga ggggtgctggg gttagccgca aactgctggt tgaaaggcag caactgttgc 240
 tgtgtcaaga aggaagcacg gtttgctgca gcttgctggc tcaatggctg tagtatttgc 300
 tgctgcaaata aagcagcggg gttcagtgcg gccattggt taaatggaag aagttgttgt 360

<210> 9343
 <211> 82
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-H11

<400> 9343
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 nnggggttttt tttttttttt tt 82

<210> 9344
 <211> 341
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-H2

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 tttttttttt gggggggggc ccccttgggg gggggggggg gtttttttgt tttttttttt 180
 tttgtttttt ttaggggggg gccccccctt ttgggggtgg ggggggctct ttttgtggtt 240
 tgtcgtcggg ggggggtgtg tggggccgct tttggggctt tttgtggggg ggtcccgcgg 300
 ggggggtgtgt tgggggtggg ctgggtcccc tgtttttttt t 341

<210> 9345
 <211> 291
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-H4

<400> 9345

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 gaactttttac tcattagcaa tcttaaagag ggcaccccca atgatgggtt ggtgggggga 120
 cactgttggg tttgtcaaag caagttgggt ggctggccgc aattgttgca gttgttagag 180
 ggtgcccgcg tttggccttg cgtgccggtt ggncggcgcc cactgttggt gtgtcccga 240
 gggcgccggg ctcccctccg cttgctggct ggntgggggc ggggtgtgct g 291

<210> 9346

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-H8

<400> 9346

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 ttgggceccc cccctttttt tttttttccc tttttcttc cccccgtgg gggggggggg 180
 cccctttttt ccccccttt tttcttttcc cccccctt tttcttttc ccccccggt 240
 ttttttttgg ggggttgggg gggccccccc ccccttttgg gggggggggt tggccttttt 300
 ccttttcccc cccccccct cgttcccttt tggggceccc ccttctctcc ccgcgggggt 360
 gttttcgccc cccccggtt ttgggtgtcc cccctttttt tttttcccc 409

<210> 9347

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-A10

<400> 9347

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 tacacacaat ttcaacctgg gattctaaag acttccgtat aaaaagctgg gcaaagctcg 120
 agtgggtactt ttcactctcc cttctgtatt taccacgttg tgtaacacta tccaccagaa 180
 aacctttgcc tgttcccaag gcctgctctc taatggatcg ggtgggtattg tgtgatccca 240

cgctttggag gcagtttccg tagaatgaag agcaccagag ctgaaggcac tatctcaacc 300
 agcaggtaat agaagaagtt caggattgga tggttcagaa catcaagatc tgctgcttta 360
 tcaaacgcat taaggcacat catgacgcat ctgatcaaga aacaagaaaa gcatatggta 420
 gtcacatacc caacctcctg caatttcttt cgtcttcctt ttgattctac aggaaaacgc 480
 tgcaacatca tgaacaacct tcctccatag agaacaaacc cgagggtgc aaatagtgat 540
 acacctgcaa agaacatctt tgacaagatg accataattc gaactggttt ccaccacaaa 600
 accaaccat 609

<210> 9348
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-N6-A11
 <400> 9348

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 taaaaaacat tttaaaaggg ggcccccca tttttttttt tttggggggg ggcccttttt 180
 tttttaaaaa aagtttgaaa aaagggcaaa attttttttt ttttaaaaag ggttgggggg 240
 ttaccccaaa ctttttttta aaaagggcaa actttttttt ttttaaaaaa aaaaaacggg 300
 ttttttcaaa attgggggta aaaaggng ggttttttgt ggcaaaaaaa aaccgggggg 360
 ttttaaggcg ccaatttggt aaaagaaaaa attttttttt ttttaaaaaa ggccancccc 420
 cccgggcgaa agggaaaaag gggggggc 448

<210> 9349
 <211> 582
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-A2
 <400> 9349

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gctgctgggt ttgtcaaagc aagttggttg aatggcagca attgttgtag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggttag aacggcaaca actgtggttg tatcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
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 agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
 agttgttgta gttgttgctg cctgatgttt tgtgccaata aatgcaccaa aggtaactga 540
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<210> 9350

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-A6

<400> 9350

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 gggggggccc cccccccca tggggggggg gtttggggcc gggaaaaaaa accccccccc 180
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 gaaagggggg gaaccctttt tgaaaatggg ggggaaaaat tttgggggca aaacccccca 300
 aaaaaaaaaa aaaattgggg ggggaaaacc cgggggattt ttgggggggt aaaaacgggg 360
 ggggaaaaag ggcttcccca agggggggcc cggggcccta aaaaaaaaaa aaaaattttt 420
 aaaattgggc ccccggtta aaaagtaaag ggcccccc 459

<210> 9351

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B1

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ttgacatgga acaggcaacg atcagggtttt gacatgctca aatggttggtg aacttttctag 120
 aactgattaa tatcaatata catataggat catgattcat gaaaggcaag cgtgggaatc 180
 ataactaaca aggaagaaga atgatgaaat ggggttggtta atccaccttt ggtcgctatc 240
 agcggcgtca gggctcgctt cgcaagcaga ttcttccttg tcgccaccgt tgagcttccc 300
 ctccagagca aaccactgc tcagcttgag ctgctctccg gactctagt ggcactcgac 360
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 cgatgccgct gctgctgtcg cagctgcgcg agccttgagg ccgagcagct ggagatccat 480
 gaggcggcgg ctctggagct aaatggcgtg ctgaagtctg gcagcctgct gctgctcctc 540
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<210> 9352

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B10

<400> 9352

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 ataggagcca ctacgggcag atcacaggat agcagtggca cacaagcccg acgacgccgc 180
 gccagtagag cgtctagtac tcgtcaccct cgtcgccgtc ctcacctcg tcaaactcag 240
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 tgcacacggc acgctgcacc ttggccaggt caccgccggg gacgacgctg ggaggctggt 480
 agttgattcc gcacttgaag ccagtcgggc accagtccac gaactggatg gtgcgcttgg 540
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 ggcagcatg 609

<210> 9353
 <211> 603
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B3

<400> 9353

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gcagtcacag gtcagttcc cgccaggctc cctgatgact agttatctgc agcgctactt  180
ctaaaacttg gttgcagacc ccatacaggg gacctccttt gccgcgcctc gtcgccttcc  240
acgatgccgc tctccggctt ccacatcacg tccttcagtc catttgagat gttgtggtag  300
aacttgtgga attcaagggg gtcgccgttg gacttgcgca gctcaaccat gtacagggaa  360
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ccttgacagt tcagcttata gttgcgcttc tgaacgttga agcccatggg tcccgtgct  480
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<210> 9354
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B4

<400> 9354

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aagttgggtg aatggcaaca attgttgacg ttgtaaaagg gtgccagcgt taggcccagc  180
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tagctgggta aatgggggta gctgttgctg ttgtaaataa gcagcaaagt tcaatgttgc  300
tagttgggtg aatggaaaaa attgctgggg gtaacaaca actagttggc tgaatggtag  360
ttgttggtgc aaataagcag caaagttcaa tgcaccagc tggttgaatg gaaaaaactg  420
  
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452

<210> 9355

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B6

<400> 9355

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agagtgatct aacgatgtga gacaaacatg tccaagttcg ttcataaaca tggcgctttt 180
acaattcatg gttcatggat acatgcggct ccgctaaagg tctttttaaac aacaggttta 240
aacaaaaaca gtaggcccac tggccatttt ctgttaaacc ggagttttct aaaccgggta 300
gtagtggttag tgcaactccc cgacattatc cccaaaaagc tttgtccaac cattagggcc 360
aacgtggtaa aactaacac aaccaccact tgctgcatca cggaatgttg ccccataaat 420
agcccgtcgc gctaattcgg gggcttccta aactgacatg ctgaagcggc aaccatcatc 480
caagatacca taagcataca gggaaccaa gccaacagaa aacctgttcc cc 532

<210> 9356

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-B7

<400> 9356

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ctcccgata ttgaagccag ttgtgataaa ttgttcaaac agatacaaca gttcattggc 180
catgagtttt gccaatccag caagcgctaa ttcacatcag ctgggcccgtg gtagttttctc 240
ctcctcagct gcgattctgg ggcaggttgc tgaaggtaaa tcttggtagg atcatttggg 300
tcaacatacg catgacgcat catatcatcg acaggagtct gcgcggcttg cagaggatcc 360

acacgcggtg ccatgttagc agcagactgg gcttcaaact cattgttagc cgcacagat 420
gcagtcaggt taaggaagag aggaacgaaa gtaccacagc cgccttcctt gaacaagatc 480
ttgaaggtgt gaggttgagt acagggccct gttctgattg tctggaacga ctggttcaac 540
gaatccagag atgttggtgc agtgaaatat gggctgattg aacttctcac catgcacaaa 600
caaca 605

<210> 9357

<211> 588

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-C10

<400> 9357

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gaccacggg ggttgcatc tctgcccag cagtttagagc agtaccaata cccaacatct 180
tgacaggact tcagttctga attggctgct gtggctgctg ctgagctgga gggccatcag 240
gcggtgctg ctgccctcca cctgcatgcg gtgggtgccc agatgaacta gcctgtacct 300
gtgctgggtg agctagcatc ggctggtaag gcggatattg cggtaggttag ggcattgcgcg 360
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tggtagtatg gcggtggtgc aggatagccg ccccttctg ctgggttgct tgatgcctga 480
gcttgcccgg cttgctgcgg cctggtttg ccttcactgt catgtggttt tactatagca 540
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<210> 9358

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-C11

<400> 9358

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tcgcaatggt cagagccatt tttttgaagc aaagacaaga aaataaaagg agcagacaca 120

tagctgttgt cacggataca tagtaaaata aggtacatgt ccagcgccaa attgtactta 180
aaggaagtga ctgaacatct aagcatatat actaataccg cagctactac acgcgtgcct 240
gcaggcacgc ccacgcaagc gtttcttcat ctccagaaca ttattcctga aacacggggg 300
cggaagaaag agttgaaggg atagaaattg caagtaccag aaagagccaa tctctgttac 360
tgcaggctct taccctttgt cccccctat gtacacaagc accagtcgct gggcctcagc 420
ctcagtagaa accagcagac atgggcatgt cctcgaagct ccaaaggctc atgttgctga 480
ccaggtcctg ggatccatca cagctcaaga gagtgtgat cgagtcgtct gaaccaccgt 540
ccatcaggaa attcatatac ggctccaact cggcgagata acaccagtgt 590

<210> 9359
<211> 510
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-N6-C3
<400> 9359

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tgggaaaaga 120
aaatttttat ttgggggttg tttttttaat aaagaaaaaa aatnnntnt ggaattaaaa 180
ctaaaaaaaa aactaaaaag ggggccacc aaagattttt ttttggtagg agggtttttg 240
gtttttaaaa aaaagttgga aaaaaggaaa aaattttttt atttttaaaa aggttggggg 300
gttaacccaa aaattttttt aaaaaaggaa aaatttttgt tttgtaaaaa aaaaaaaaaa 360
aattggttaa actagcttgt taaaaggga gagtttttgt tttttaaaaa aaaaaagggg 420
gtttaagggg ggaaattggt taaaagaaaa aaaatttttt ttttnaaaaa aagcaaaacc 480
tacctgggta aaaggga aaaaggggctg 510

<210> 9360
<211> 429
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-C4
<400> 9360

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 ggggggttta aaaaaaaaaa atgggtttttt gggaaaaatt tttttttttt taaaaaagga 180
 aaaaaaaaag ggtaggccc tttttgggaa aaaaaaaaat ttttgccttt tttggggggc 240
 ccaaaaaaat ttcaaaaaat ttttttttta aaaaaaaaaa tttttttaaa aaagagaaaa 300
 gggttttcca aaattttttt aaaaaaaatt gggaaaattt tttaaaaaaa tttttttgca 360
 aagtttttgg ggccatttcc caaaaaaaag gggtttaaaa aaaacatttt tttttttttt 420
 tggagggggg 429

<210> 9361
 <211> 456
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-C7
 <400> 9361

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 ttttttttgc aacaccccc cctggaaaaa ctttttactt ttgccccccc caaaaaagg 120
 gggggggccc cttttttttg ccccccccca cttggggggg gggggggggc caccctttta 180
 ccggcaaagg ggtgcccggc caaaatttta aatgtggaca cacaggaagg gggggaaacc 240
 ccttattttg gagagaaacc cccccccccc ccgcggggg ggttctcttt gccccccct 300
 tgggggcccc cccttttttt tttttatggc ccccgggggg aaggggcccc cccccccatt 360
 tttgggaaaa aaaaactttc cttctaacc aggggccgac aaagggggcc agaagaggga 420
 ccaccccccc acttttattt tccgcggggg gggggg 456

<210> 9362
 <211> 602
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-C8
 <400> 9362

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gacaccagac catatgtata tgaaagggtc ccccggtaca ctctttattc atccttgaac 120
acaaaatcta gacgccgcct ctccacctcg ggtgtaaaac caatgagcca gacatgatct 180
cacaatgcc aactaaaaatc acaatatctg agtacagtta tgatcatcat attctattag 240
cccatatttc caagaagtcg ctccactgca gcatgaacat ttccagcggg agcggccaag 300
gctcggatgt tctcttgtgt gtcaaagaaa cccatttctt ggagctgagc taattgtgtg 360
gcgtacagtt cttctggcgg cacattagga gcatttggaa cacctaggcc accaccagca 420
ccaagcccgc tgaacatggt catcaagggt ttgaggttga cattgcctgc accagagcct 480
gattgtgtcc gtcctgtcc agcttgttgt tggccaagtt gtgacatcaa agactgctgg 540
aatgaaatta attgctgcaa tgtttcaaga gatgttaact ggcgaagaaa ttctggattc 600
tg 602

<210> 9363
<211> 579
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-C9
<400> 9363

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aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
actgctaggt ttgtcaaagc aagttggttg aatggcagca attggtgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtggttg tgtcaagaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcaggagagt tcaatgctgc cagttggttg aatggaagaa attgttgggg gtaggcaaca 360
ggtagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagagtt caatgcagct 420
agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
agttgttga gttgttgtgc cctgatgttt tgtgccaata aatgcaccaa aggtaactgc 540
tgtaataggg ctgatgattg ttggaggaa aagggtgat 579

<210> 9364
<211> 418

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-D11

<400> 9364

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aaaggcgaag gggggggcccc ccagcggggg ggtttgtccc aaaagggggg ggggttccca 120
aaaggcgggt gtgttaaagg caaccttttg tttttgtgga aaaaggggaa aattttcccc 180
ccccctcggg gggagaaggg gccatttctt gtttgggtaa aaaaggcctt tatttttccc 240
caccctcggg ggtaaaaggg gccttttctt tgggcccccg tgggcccccc ggtttttccg 300
gcccgggtcc tgggagcttc ccatttttct ttttaaaggg gcattccaag gctgggggaa 360
aatgagcca acgccttttc ctgggggaaa attttttgcc ccccaatac ccccaaaa 418

<210> 9365
<211> 408
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-N6-D2

<400> 9365

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gtagaacgcg ggggggtgtg tcaaagcaag ttggtagaat ggcagcaata gctgcagttg 180
taagagggtg ccagcggttag ggcagcgtg ctggtagaac ggcaacaact gcggttggtat 240
caagaaggga gcagggtca caccagctag ctggctgaat ggaagnagtt gttgctggtg 300
gaaataagca ggagaagaca atgctgccag cagggtgaat ggaagaaaat gctgggggta 360
ggcagcaggg agctggctga aaggaagtag atgaagttgc aaataaga 408

<210> 9366
<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-D3

<400> 9366

aaaaactaaa aatgtacttt cttatTTTTg ggaagccaca aacatcatcc aaaaaacttc 60
attattgaag tataactcat aagcaatcta aaagagggca ccaccaatga tgggttggtg 120
gtaaaacgct gttgggTTTTg tcaaaacaag ttggttgaat ggcaacaatt gttgcagttg 180
taaaaggggtg ccagcgttag gcgcaacgtg caggtaaaac ggcaacaact gttgttggtg 240
caaaaaggga acagggctca cattaactag ctggctgaat gggggtagct gttgctggtg 300
taaataaaca gcaaagtcca atgctgccag ttggttgaat ggaaaaaatt gctgggggta 360
ggcagcaact agctgactga atggtagttg ttgttgcaaa taaacagcaa aattcaatgc 420
agccagttgg ttgaatggaa aaa 443

<210> 9367

<211> 567

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-D4

<400> 9367

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gatatttgta tctctagatc gttatgctca atcagggttaa cctcaatgca gtccaaaaac 120
aaatctaaag ccactcacct tttttttatc taagacctgg aacaattatc gatgtgaccg 180
gtatccagca accgtcccag gcaaataac agcagcagca gcaagcagca ggcagctcaa 240
cttccattta taaaaagcaa gaaggaccac taggcagtcc ttctggagtc tggacagaca 300
tcgaagtctc cccctcgtg actcacagct caacattgct gggactgaca gtaactttat 360
atacggttgc caatgcgagc tcgtntgtcg tccccatccc cagtccgttc acggatttgg 420
agatcaatgg tggaaggacg ctgcanataa gtaaatgcc cagaaacgaa gcgagaaatg 480
cacagctcc cctccattac cagccgttcc tcttcggctc ttcctatatg aacaacaact 540
gaacaagtac agcagtttat attatac 567

<210> 9368

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-D5

<400> 9368

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ggtagaatgc tgctgggttt gtcaaagcaa gttggttgaa tggcaaaaat tgttgttgct 180
gatagtaggg agaaagggtt gccagagcta cttggttgat cacaggtagc acgagttgct 240
gcagctgctg tgccttgatg gtttgtacca atgactgcac caaagatagg gctggcgatt 300
gttgaaacaa gggtgataaa ggtatgttgc ttgctgcgat tgcttggttg agcctatagg 360
gttgaagagc tgggttttca catactgaag ctatcattga tggaaggtat gggggaagaa 420
gggaagctat aggagcttgt gagcattgag ggaaa 455

<210> 9369

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-D6

<400> 9369

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nccattatcg agtacatctc atatgtaatc taaaagatgg caccaccaac gatggggttgc 120
tgctgtagga aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt 180
cgctgttgta ggtacgcagc agagtctgac acagtcagtt ggttgaatgg aagtagttgt 240
tgcaagtagg cagcaggggt tgccacagct agctgagtaa gagctggtac aatttgttgc 300
agcaactgtt gttgcaacaa ctgttggtgc aggtatgtag gtgcattgcc catagcgagc 360
gggctagatg aaagaagttg ttgctgttgt aggtaggcga tagggttcac catggctagt 420
tgactgagcg ctggtagaaa ctgttgcaac tgttggttgt gttggtatgc agctacgttt 480
gccaaagcaa gtgggttgga tgcaagcagc tgttggtgca agtaggcgat agggttcacc 540
acggctaggt ggctcagtgc ttgttgctgc tgcgttgc 578

<210> 9370

<211> 489
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-E1
 <400> 9370

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 tgcacagga gaaaccttca caagggtttt ttttttgcac tcattaataa gggaaggga 180
 tatacgtatt gctatatatc tctctctccc ttcattcccc actttaactc ttaattttac 240
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 gttgatgacg acgagcgctg atctctcgat cgaccgggat tgatcagtag aaaccttggg 360
 tcttcttggg agccaccggc accgacgaga cagcctagat cagcagctta ttcttgccac 420
 cctctcggcc ggagttaaag ccgaaatgga tgttcggata atgtgccag tttttggctg 480
 ctgagctga 489

<210> 9371
 <211> 478
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-E11
 <400> 9371

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 gtagaacact gttgggtttg tcaaagcaag ttggttgaat ggcaccaatt gttgcagttg 180
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 caaaaaggga acaaggctca caccaactag ctggctgaat ggtagaagtt gttgctgctg 300
 taaataagca cgagagttca atgctgcttg ttggttgaat ggaaaaaat gctgggggta 360
 ggcagcacgt agctggctga atgggagttg ttgttggtgc aaataaaaag caagttcaa 420
 tgaacctagt tgggtgaaag gaaaaactg ctgttgctga aaggaggcac caaggttt 478

<210> 9372

<211> 608
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-E12
 <400> 9372

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 ggcagcaatt gttgcagttg taagaggggtg ccagcgtagt gcgcagcgtg ctggtagaac 180
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 gagtaggcag caaggtttgc tagcacaagt tgtttagttt gttgtgccct gatgttttgt 480
 gccataaat gcaccaaagg taactgatgt aatagggctg atgattgttg gaggaacaag 540
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 gggttttc 608

<210> 9373
 <211> 414
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-N6-E3
 <400> 9373

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 ggaaaagggg ctttcttatt gcttggttcc aatttttacg gggttacaaa aaatttcctt 180
 ttccagggga aggggttgag gtcttaactt ccacgttaaa gtctcagggc cctgtggttt 240
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 aagaatcctt ttttagacat tttcncngg ttggaggaat ataaaggttt ccctgtcggc 360
 gcgaaggtaa attttttatc ggaccctttt gggggttcca cgccaaagct ttcc 414

<210> 9374
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-107-Q1-N6-E6

 <400> 9374

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ttccctccaa aaaaaagttt ttataaaaaa aaattttttt tttgaaaaaa attttttttt   180
tttaaaaaag gggccaaaaa agggtttccc ccccccaaag ggttaaaaaa acttttgccc   240
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aaaaaaaaaa aaagggttttc caaaaatttg ttgaaaaaaa gttggaaaaa ttttttaaaa   360
aaattttttt ccaagttttt aggggctttt ccaaaaaaag ggggggttta aaaaaaaat   420
tttttttttt ttaccttggg gg                                         442
  
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<210> 9375
 <211> 562
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-107-Q1-N6-F1

 <400> 9375

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gaactgatta atgtcaatat acatatagga tcatgattca tgaaaggcaa gcgtgggaat   180
cataactaac aaggaagaag aatgatgaaa tgggttggtt aatccacctt tggctgctat   240
cagcggcgtc agggctcgcc tcgcaagcag attcttcctt gtgccaccg ttgagcttcc   300
cctccagagc aaaccactg ctcagcttga gctgctctcc ggactctagt ggcgactcga   360
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ccgatgccgc tgctgctgtc gcagctgctc gagccttgag gccgagcagc tggagatcca   480
tgaggcggcg gctctggagc tcaatggcgt gctgaagttc ggcagcctgc tgctgctcct   540
  
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ccagcttccg gcgcaagagc ag

562

<210> 9376

<211> 596

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-F11

<400> 9376

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gtaggaggcc gctgggtctg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
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caaataagca gcgggggttca gtgcggccaa ttggttaaata ggaagaagtt gttgttgcgt 360
agagtaggca gtagctagct ggctaaatgg taatagttgt tgctgcaaat aagcagcagg 420
gttcagtgtg gacagttggt tgaatggaag aaattgttgt tgctgagagt agggagaaaag 480
gtttgccaga gctacttgggt tgatcagagg tagcacgagt tgctgcagct gttgtgccct 540
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<210> 9377

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-F4

<400> 9377

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ttttagctca ggggggtatc ttaagacagt gacaaattga cagcgcgagt gcgcgacaat 180
acacaatcaa acagcactat gtacatatca accagtgtgt atttcttgcc cacgcaaggc 240
ccagacaaat aatacatgtc agtgaagata accaaatcga attgtgttct gtttgtcgat 300
tctttgtgtc agctcttaag gtcctcttcg agctcgtcaa actcccaccc gcttatctcc 360

tcaactgagt actctttgtc ttctttcccg atctctgata ccagggttgc aagctccgca 420
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 ccaaattttc caccgggttt actttaaaaa ttgccctttt ctttgcaaaa ccattggggt 300
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<210> 9379
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 <212> DNA
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gccaccgccc tagccgccc ctccacggcc accaccgtac ccgccgccc cgccgcctcc 480
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<210> 9380

<211> 596

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-F8

<400> 9380

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tttccaattc tcttgtgctt caaaaccaa agatgaagat gtcgcaagg tcgcgacgca 180
cggcgctcgtc gtccctgagc cttgccatgg tcatcttctc gatcttcatg gtccactcc 240
ttggagacga cgcggtacat gcctccgttc tctccagcg acctgccgag cggcgagcgt 300
ggccaccaag atggctctca gtggaccag tcttcagtgg gctggctacc ttcaccagcc 360
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caaatagat tctgtgaga cttaaaaaat gttaattgta gctaggtttt tcgtttgta 480
ctaaagaaga tgttgggtga tcatgcatac aatgtagtag atttaagaaa aaaatacgtg 540
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<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G11

<400> 9381

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agaacactgt tgagtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
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cagcaactag ctggctgaat ggtaattggt gttgcaaata agcagcagag ttcaatgcag 420
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caagttgttg tagttgttgt gccctgatgt tttgtgccac caaatggacc aaaggtaact 540
gctgtaatag ggctgacggt tgttggagga acaaggggtga taatggtaag atgcctgttg 600
cga 603

<210> 9382
<211> 520
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-G12
<400> 9382

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gacaaggcag ggttcatcaa agagaactgg ttgtatggca gcaattgttg ctgctgtagg 180
aaggcagcga ccaatggggt agccaccgct agtggattaa gtaactgttg tcgctgttgt 240
aggtacccaa caaagttcga cacagtcagt tggttgaatg gaagtagttg ttgcaagtag 300
gcagcagggt ttgccacagc tagctgagta agagctggta caatttggtg cagcaactgt 360
tgttgcaaca actgttggtg caggatatgta ggtgcattgc ccatagcgag cgggctaaat 420
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gctggtagaa actgttgcaa ctgttggtgt tgttgggtatg 520

<210> 9383
<211> 611
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-G3

<400> 9383

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catgcacatg taggggcaac aaatgtcaac tttcaactaa tctaagtgtg aggcagggag 240
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tactatgcag ataatacgag caaccatgac ctaagcaagc tacagaatat caacagaata 540
accagctcca tgtaccaccg gatgcacgcc ctcagcttct tgatgtagac gctcatctga 600
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<210> 9384

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G4

<400> 9384

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ggttgttggt agaacgctgc tgggtttgtc aaagcaagtt gggtgaatgg cagcaattgt 180
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ggttgtatca agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt 300
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gagttcaatg cagctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca 480
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<210> 9385
 <211> 607
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-107-Q1-N6-G5

 <400> 9385

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ggtccac 607
  
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<210> 9386
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-107-Q1-N6-G6

 <400> 9386

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gtaggaggcc gctcggcctg tcaaagcaag gtggacaaag ggcaacaatg ggtgtagttg 180
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caagaaggaa acacggggcg ccccaactag ctggctaaat gggaggagga tttgctgctg 300
caaaaaaaca gcggggaaca gggcggccaa ttggttaa at ggaaaaaggt gttggtgctg 360
  
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409

<210> 9387

<211> 599

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G7

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tagcatgccg ttacaccgtt cagggagagg ccgtgaaagg tggcgggtggg tacatcaagg 180

catgagcctc acttccagag cttgcgcagg gacatgttct tctccgtgtc tttcttcac 240

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cggccaggcc tcaaaagggc ttgatccaaa atgtctattc tgtttgttgc catcaaaacc 540

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<210> 9388

<211> 505

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9388

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tggcgccacc tgaagttatt ctttcagttt gtcactcatt aactttcacc agcaaacacct 180

cttgtttata caaaggtttg ctccggttag cactgaatca tttacagggt cataaatcac 240

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gagtgaatt cggctcttgc ggtaaagctg cttcgaacaa ctatgcatgg catgccaatg 420
cgttcggctg caaggacacc agattggctg cccgcaacaa ggatgcagtt ttgcacgtcg 480
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<210> 9389

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-H3

<400> 9389

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<210> 9390

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-H7

<400> 9390

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 <212> DNA
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 <223> Clone ID: LIB3061-113-Q1-K6-A1
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 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-A11
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 <213> Zea mays
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<210> 9395
<211> 648
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-A3
<400> 9395

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gagaagggtg tgggcaagaa gtttgetcac caggatgagt atgattcctc gattggcgct 600
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<210> 9396
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A4

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<210> 9397

<211> 630

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A5

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<210> 9398

<211> 522
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A6

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<210> 9399
<211> 637
<212> DNA
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<223> Clone ID: LIB3061-113-Q1-K6-A7

<400> 9399

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caacaacagt ttctgccatc actgagccac ctagccgtgg tgaaccctgt cacctacttg 240
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<210> 9400
<211> 671
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A8

<400> 9400

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aatgctcact tgctccgagt gccattattc cacagttcct cctccagtt acttcaatgg 180
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aactgactgt g 671

<210> 9401
<211> 645
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A9

<400> 9401

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aatgctcact tgctccaagt tccattatta cacagttcct cccaccagtt acttcaatgg 180

gcttcgaaca cccagctgtg caagcctata ggctacaaca agcaattgcg gcgagcgtct 240
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ctgccgccta cttgcaacag cagttgcttg catcaaacc acccttgctctg gcaaacgtag 420
ttgcaaacca gccacaacaa cagctgcaac agtttctgcc agcgctcagt caactagcca 480
tgggtgaacc tgccgcctac ctacaacagc aacaactgct ttcacttagc ccgctcgtg 540
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<210> 9402
<211> 654
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-B1
<400> 9402

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aactcagaca acttgggtgc tatagtcgac atcaagatcc taaaccatct gatcaataac 180
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aaggctacat ctgatctgtt gcttgtgcag tctgatcttt acaccttggt tgatggcttt 600
gtcatccgca acccatccag agcgaatcca gctaaccctt caattgagct tgga 654

<210> 9403
<211> 646
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B10

<400> 9403

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atatacttct acagcacctg gtatatggat gatcattacg ccagcgaagg tgaagtcgat 540
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<210> 9404

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B12

<400> 9404

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ttcgaccccg gtcgtgcccc cacggcgacc acggtgcggt accggtatag ggttctcggc 180
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cgcgcaacgg ccgttgtgcg aggccttttc tggccgtcca gatgagatcg aacggttggg 300
aaaaaagcag agtttggttt ctttgcgccg ctggcggtcg cggccaagc ctgaggaggt 360
cacagcccca caggcgccca ttcggacttc cttttattcc ctttcctata taatcccatc 420
gactgccatc ttcagatctt cttccgcttc caacttcggt tccgcaaatt gaaagctcgg 480
cgttgccctg cgcacctgcc tcgagctcga aggactttgt ccctatacgt cgttgtccag 540

ctcctcgcat attgtggcct ggtgcagatt ggagatccgc cgggacttgg atcgagtcct 600
cctgtctttg gacattcatt ggagtgtcc attcattgag ac 642

<210> 9405

<211> 579

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B2

<400> 9405

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tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt ttatgccagt 120
gctcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt catctagccc 180
gctcgcgggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac aaattgtacc 240
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caaccaactg gctgtgtcaa actctgctgc gtacctacaa cagcgacaac agttacttaa 360
tccattggca gtggctaacc cattggctgc taccttctcg cagcagcaac aacaattgct 420
gccatacaac cagttctctt tgatgaacc tgcttgcag caaccatcg ttggagggtg 480
catcttttag attacatag agatgtact gacaatggtg cctcatacc gacatgtgtt 540
ttctagaaat aatcaatata ttgattgaga tttatctcg 579

<210> 9406

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B3

<400> 9406

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gattcggccg tcgatctgcg ctgattcggc ccgcgcgccg tcgggggtcg ctttcttctg 180
cgcagggtct cgaatttctt aggagcggag gcgatggctg ggaagggagg aaaaggattg 240
ctcgccgca agacgacggc ggccaagtcg gcggagaagg acaaggggaa gaaggccccc 300

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aaggtgaagc gtatcacccc tcgccaccta cagttggcca ttgcgaggaga cgaggagctg 540
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<210> 9407
<211> 198
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-B5
<400> 9407

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tgcttattag ttgtaattca ataatgaagt tttttggctg atgtatgtgg cctcctagaa 180
ataagaagtt acatttcc 198

<210> 9408
<211> 612
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-B6
<400> 9408

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gccatattga tgtgtgcaaa agaactgtgg gagtatggga ctatttgtat actactcggc 420

attaagtgca ttctttggga aatttctgag aaatttcccc tactaccagg attgataaca 480
ccatcgattt tcgctacagt acctggagct tcttatatga aagaacaaca catcaactat 540
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<210> 9409

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B8

<400> 9409

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atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac agcagcaaca 540
actactacca ttcagccagc tagctgggtg gagccctgct accttcttga cacaaccaca 600
gttggtgccg ttctaccagc acgttgcgcc taacgctggc a 641

<210> 9410

<211> 650

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-C10

<400> 9410

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agttggatca gttcttacca gaggttgcaa ttattatagg aaaatttata aaccaaatat 180
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 tacaagctag agagatactt gaatgggttta gcccttccct cgtaggtttt gttcggttat 480
 tcccattcca tgtgaattat atgagattga aagaaactag gaagaatttt gattaaatag 540
 agattttaa atccactcaatc cctgcaatcc atatggattg atattaaaaa tgaacaaacc 600
 ctcatatagg gtcaattctta ttgctaaac taccactaga tacatagaga 650

<210> 9411
 <211> 540
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-K6-C11
 <400> 9411

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<210> 9412
 <211> 534
 <212> DNA
 <213> Zea mays
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<400> 9412

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caggggcaga ctcccgtga taagaatgtt gaggacgcca ccttgagaa tcttgacggg 480
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<210> 9413

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-C4

<400> 9413

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<210> 9414
 <211> 635
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-C5

<400> 9414

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 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-C6

<400> 9415

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459

<210> 9416

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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ggtggctaac ccattggctg ctgccttcct acagcagcaa caattgctgc catacaacca 540

gttctctttg atgaaccctg ctttgcgtg gcagcaac 578

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<212> DNA

<213> Zea mays

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<400> 9417

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gctcctatag ctccccctt tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180

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<210> 9418

<211> 631

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-K6-C9

<400> 9418

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 aaccgtgctt cttcttgac acagcaacag ttgctgcctt tctaccagca gtttgcggt 480
 aaccccgcaa cctctttaca actacaacaa ttgttgccct ttgtccaact tgctntgaca 540
 gaccgagcgg cctctacca acaacacatc attggtggtg cctcttttta gattgcttat 600
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<210> 9419

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D1

<400> 9419

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gctcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt catctagccc 180
gctcgcgggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac aaattgtacc 240
agctctgact cagctagctg tggcaaacc tgcctgcctac ttacaacagt tgcttccatt 300
caaccaactg gctgtgtcaa actctgctgc gtacctacaa cagcgacaac agttacttaa 360
tccattggca gtggctaacc cattggctgc taccttctg cagcagcaac aacaattgct 420
gccatacaac ca 432

<210> 9420

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D10

<400> 9420

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ggggcctcgc ctggggccacg gacgaccact cctccacaa cgccttcagc acctacggcg 180
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gcggcggcgg cgggtacggt ggtggccgtg gaggcggcgg ctacggcggg ggccggcgcc 420
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gtggtggtgg cggcggctac ggcgggtggc accgtggcgg cggctacggc aactccgacg 540
ggaactggag gaactgagcg gtggggcccg cgcggccaag ttatcctgtt cgctaccgtg 600
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<210> 9421

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D11

<400> 9421

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 gtgtgaaaac ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240
 accattatca cccttgttcc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
 ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttggtc tagcaaacct 360
 tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
 tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgctt acccccagca 480
 atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 540
 actactacca ttcagccagc tagctgatgt gagccctgct gccttcttga cacaacaaca 600
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<210> 9422

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D12

<400> 9422

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 cggcctatag tttcttccat ggtttgggtc cctttgatcc ttggaagcgt gtttcaaaaa 180
 cttgggctcc acctaaagttc aagattttca tttggctagc tgtccgaaat cgctgttgga 240
 ctgcagaccg attgccttgg agaggactgg cacacctagt tcattacgtt ctttgcgacc 300
 tggaagagga gaatactaata cacattttgt tttcctgtgt tttctcgagg gttctggttt 360
 agagttttct cccggctggg gtatattgac catgtgttgg ggtcccagga gcaatcgttt 420
 gcagattggg ggtgaaaggc ttgcaaata ctcccaaaag aaaaaaagg aagggcatgg 480
 attcaatgat tatgttggga gcttgatcc tatggaagca tcgcatgcc tgcgtcttgg 540
 aaggtttgca gccgaatatg tggagtgttc ttctgcatgc tcttgaagat gaacaacatc 600
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<210> 9423
 <211> 648
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-K6-D2

<400> 9423

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agctcctata gcttccttc ttccccata cctctacca gcgggtgtctt caatgtgtga 180
aaccccaatt gttcaacctt acaggatcca acaggcaatc gcaacaggca tcttaccatt 240
atcacccttg ttctccaac aaccgtcagc cctattacag cagttacctt tgggtccatt 300
ggtggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc 360
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accattcagc cagctagctg atgtgagccc tgctgccttc ttgacacaac aacagtntgt 600
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<210> 9424
 <211> 533
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-K6-D3

<400> 9424

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ctggaatctc aagtgccagg caagtgtgct ccttgaccac ttttcaccca ataatgttct 240
ttaatgtcat tattcatgca taggtttaat tttgacggga cccaatatgt caccctagtc 300
  
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tgtttatcca ttttaccttg tttaccctg aatcatttga gtagttttgc tattacttta 360
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 tgttcatgtc aagatcatta ttatctttaa ttggaacatg gagcttaact tgagaaacac 480
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<210> 9425

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D4

<400> 9425

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 cccgcaatgc tcgcaagctc ctatagcttc ccttcttccc ccgtacctct caccagcggt 180
 gtcttcggta tgtgaaaacc caattcttca accctacagg atccaacagg caatcacagc 240
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 attgaactct gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc 480
 ctacccccag caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt 540
 acagcagcaa caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt 600
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<210> 9426

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-K6-D5

<400> 9426

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 acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
 tgaaaaccca attcttcaac cctataggat ccaacaggca atcgagctg gcattctacc 240
 tttatcacc cttgttctcc aacaatcatc agccctatta cagcagttac ctttggtgca 300
 tttattggca caaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgctactct cagcaacaac agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
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 actactacca ttcagccagc tagcntgggtg tgagccctgc taccttcttg acacaaccac 600
 aattgttgcc gttctaccag cacgctgcgc cttaaagctg ca 642

<210> 9427

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D6

<400> 9427

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 taagttgcag tctgagtctg tcaaggatgc catctcccag attggtgggg atgccaagga 120
 gaagaatagg aagttcactg agactgtgga acttcagatt ggtctgaaga attatgatcc 180
 acagaaggac aagcgtttca gtggctctgt taagttgccc catatccctc gtcccaagat 240
 gaaggtgtgc atgcttggtg atgccagca tgttgaggag gccgagaaga tgggacttga 300
 ctacatggat gttgaggctc tcaagaaaat gaacaagaac aagaagcttg ttaagaggct 360
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 ccttggtcct ggtctcaaca aggcaggcaa gttcccgacc ctggttactc accaggaatc 480
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 ttgcatgggt gtcgccgtcg gcaacttggc gatggaggag aagcagatcc agcagaacat 600
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<210> 9428

<211> 591
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D7

<400> 9428

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accccgatcc tggggccagtgc cgtcagagttt ctgaggcatc agtgcagccc gacggcgacg 180
ccctactgct cgcctcagtgc ccagtcgcttgc cggcagcagc gttgccagca gctcaggcag 240
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ttagcggcga tgattgagta taatgtgtca cgcacaccca tgggtgggag tggcagtggtg 540
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<210> 9429
<211> 651
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D8

<400> 9429

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caacatcatc cacaacaaca tcatccacaa aaacaacaac atcaaccacc accacaacat 240
caccagcagc agcaacacca acaacaacaa gttcacatgc aaccacaaaa acatcagcaa 300
caacaagaag ttcatgttca acaacaacaa caacaaccgc agcaccaaca acaacaacaa 360
caacaacagc accaacaaca acatcaatgt gaaggccaac aacaacatca ccaacaatca 420
caaggccatg tgcaacaaca cgaacagagc catgagcaac accaaggaca gagccatgag 480

caacaacatc aacaacaatt ccagggtcat gacaagcagc aacaaccaca acagcctcag 540
 caatatcagc agggccagga aaatcacaaac agcaacaatg tcattgccag gagcagcaac 600
 agactaacia gtgcagctat aactactata gcagtagctc aaatctaaaa a 651

<210> 9430

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E1

<400> 9430

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 cattattcca caatgctcac ttgctcctag tgccattatt ccacagttcc tccctccagt 180
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 ggcgagcgtc ttacaacaac caattgcca attacaacia caatccttgg cacatctaac 300
 catacaaacc atcgcaacgc aacagcaaca acaatttcta ccagcactga gccaaactagc 360
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<210> 9431

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E10

<400> 9431

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 acaagctcct atagcttccc ttcttcccc atacctctca ccagcgatgt cttcagtatg 180

tgaaaatcca attcttctac cctacaggat ccaacaggca atcgcagcag gcatcttacc 240
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<210> 9432
 <211> 653
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 9432

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<210> 9433
 <211> 383
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E2

<400> 9433

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gcgccctca ccgccccacc caaccgcgcc cctcgtcggt tcgtgctcgt ggccatgggg 180
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<210> 9434

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E4

<400> 9434

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<210> 9435

<211> 624

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-K6-E6

<400> 9435

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<210> 9436
 <211> 643
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 9436

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cggggacgcc gtggcggtggg tggtcagcaa ggtccacctc cagtcgcccc acctcgccgt 480
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<210> 9437
 <211> 626
 <212> DNA
 <213> Zea mays
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<210> 9438
 <211> 639
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-F11
 <400> 9438

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ctatcgcta cttgcaacaa cagctgcttg catccaaccc acttgctttg gcaaacgtag 180
ctgcatacca acaacaacaa cagttgcaac agtttctacc agcgctcagt caactagcca 240
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tgctgccata caaccagttc tctttgatga accctgcctt gtcgtggcag caaccatcg 600
ttggtggtgc catcttttag attacatatg agatgtact 639

<210> 9439
<211> 585
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-F3
<400> 9439

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ctcccgggcg ctggccaccg tgacggcgat catcgacggg acgggggtctg tcggagccgc 180
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gctgatggcg gcggctctcc tcgctgggct cctcttgagc aagctcgtgt gcgccgagct 300
gcaagggaaa acgcattcca tcgtgagcaa ggacgcaggc ggggaacatg gggcctactc 360
agatgaagtg taagactgaa gccctgggta gtaagccac gttcccgacc tgaagatgaa 420
aaggcagaga tttagctgct gagtgactgg ctcaaaggc aatacagagg atgtactttt 480
ggatgagtg gtaaaagatg taagtgggtg cttagatggg atttacaggt taactagact 540
ctagagccca aatacaggca cattggaggc gcctagggga ataag 585

<210> 9440
<211> 638
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-F5

<400> 9440

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cagtcattgg tacaaccat cagggcaca cagctgcagc aactcgtgct acctctgatc 360
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aaccaactgt ctacactgaa cctgctgct tatttgagc aacaactatt accatttagc 480
cagctagcta ctgcctactc tcagcaacaa caacttcttc catttaacca attggccgca 540
ctgaaccccg ctgcttattt gcagcagcaa atactactac catttagcca gctagctgca 600
gcaaaccgtg cttccttctt gacacagcaa cagttgct 638

<210> 9441

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-F6

<400> 9441

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tccacttcaa ttactaccac cgcttgga gggcctgat cctaaacctc caggatgccc 180
tgtaacgaat ccaaccagga gagcacgtgc agattataga ctatatgatg ttgaggtgac 240
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aggtaaacca attgtggggg accctgtcac cctggaggtt ttgaaggata gccgtcacac 360
aacaagtaga gatgagcacc gcccggtgat gggcagctg gactccttac taaagagcag 420
agtttcagag ccacggcaag caagatcttc acatgcatca cgatcaaaat ttaaattccag 480
tggaagtaaa aaggccacag agcatgattt ggacaggtct tgggtggcccc ataccaagaa 540

accagcatct tcgccgagga aaatgctggag gctatcatct ttccgctggca gccggagaga 600
gagtgcagac caaaagcccg tagttgcaaa aactggcggga ccagcagt 648

<210> 9442

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G1

<400> 9442

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gtcaaaggaa aggtcggatg gcgccggtgg ttttgctgca cgagggttaa tgcttcatac 180
cgtgaacatg aaaatgaacg tcccatcact ccagaggaga aagaaggaaa tggtttttct 240
gttaaaagtg atcccatcaa ggcaccacct tccattgaag tccctgaatt atcatttgaa 300
gaattgaaag aaaagaccga caattttggt tcaatggctt tgattgggtga ggggtcatat 360
ggaagagtat attatgctat tctggacagc ggaaaacatg ttgctgttaa aaagcttgac 420
gcttcaacag accctgaact tgataatgag tttttgacac aggtatccat tgcctcaaaa 480
ctaaaacatg ataattttgt ggagatgctt ggatattgtg tggaaggaaa tcagcgtcta 540
gtggtctatg aatttgcgac aatgggttct ctgcatgata tcttgcattg aagaagggt 600
gttccagggtg cacagcctgg cccagcactt gattggatgc agcgggttaa g 651

<210> 9443

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G10

<400> 9443

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ttctccaatc atagtagtgg aagcattcat cctcatacaa agagtgggtc cgttgctcca 180
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gcaaagtggc acaaatctga taaaaaatg gaagcacgca aggttacaaa gtctgattct 300
cgagctaacc gctccacagc aagtaactct tctcctgaga caaagctttc caggaaatca 360
ctggacatat caagtgttgc ttcagatttg aagacttcag tgtctgttcc ttcaacgcca 420
cccttagtat ccagagcaga tccatcatcc tccaaggggc attctcaacc tacagattca 480
gattcgatga agaaagcatg gcggtcacca gggatatcaat tatacagaca ggtttcggac 540
agtaaaattc catctctcag atctctcaat gagataaggt ctctgaagg aaggcctccc 600
tcttccatgt tatcaacctg cagcaatgac ttgtcagcag caggat 646

<210> 9444

<211> 645

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G11

<400> 9444

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ctgttccttc agtgggttct gtctacaatg aatatgcctt gaaaagtcaa tatgacacta 180
gcatctatct ccagaacttg tttctgtacg gatatggagc aatattcaac ttgcttggca 240
ttcttgggac tgtcctattc caagggccag agagttttaa tattcttoga ggccattcaa 300
gggccacaat atttctcata tgtaacaatg ctgcacaagg cattctatct tcattcttct 360
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gcctagcttc tgctgcattt ttggggcatt ccttgaccat taattttctc ctgggcatat 480
cagtgggtgtt tatttcaatg caccagttct tctctccgct tgcaaaagtc aaagatgaca 540
aaccagctga ctcaatagag ttggaagata cacaaaatga ccgccccatct gaatcttctt 600
ttgtaaatat gactgctggt gccgctgatg atgcaagcca tcgga 645

<210> 9445

<211> 119

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G12

<400> 9445

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aacacagcgt cttgggtctag ctgcgtcactc ggcattggac tacatcatat acagttgat 119

<210> 9446

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G3

<400> 9446

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tgaagcctcc tctattccat ccctgttcga ggataatgcc tcatttatct catcattgac 180
tgggtccccct tctctgacac ttgcaagct tttcctcaaa tacgtccttt gtcgtgtgtt 240
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cctgcacttt aaagccgctt cttccattcc attccaagag tgatgtcttg cccttctcga 360
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cctagcttcc taatatctag atctttccat gatgcttatt ctataacctac cttttgaatt 480
atcatctttt ccattctgat ttgagaatgg tgttttacct atcctaacct tgggtgcatt 540
ctctccctgt cggatacaat ccttgcttta gctccatcct ttattatgct catgccccta 600
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<210> 9447

<211> 621

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G4

<400> 9447

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caagatatta tccctctttg cgcttcttgc cttttttgtg agcgcaacaa atgcgttcat 120
tattccacaa tgctcacttg ctccatagtgc cattattcca cagttcctcc ctccagttac 180

ttcaatgggc ttcgaacacc cagctgtgca agcctacagg ctacaacaag cgcttgcggc 240
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 acaaaccatc gcaacgcaac agcaacaaca atttctacca gcactgagcc aactagctgt 360
 ggtgaaccct gtcgcctact tgcaacagca gttgcttgca tccaaccac ttgctctggc 420
 aaacatagtt gcataccaac aacaacaaca attgcaacag tttctaccag cgctcagtca 480
 actagccatg gtgaaccctg ccgcctacct acaacagcaa caactgattt catctagccc 540
 tctcgctgtg gttaatgcac ctacatacct gcaacaacag ttgctgcaac agattgtacc 600
 agctctgact cagctagctg t 621

<210> 9448
 <211> 641
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-G5
 <400> 9448

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 ctgtggctgc cagacaccac cgtttcatct accgcctccg ttctatatgc cgcctccgtt 180
 ctatctgccg ccgcagcagc agccgcagcc atggcaatac cccactcaac caccgcagct 240
 aagcccgtgc cagcagttcg gatcctgcgg cgtcggcagc gtcggcagcc cgttcctggg 300
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 gcagctgcag cagccaggtc cctgcccttg caacgcagct gccggcggtg tctactactg 600
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<210> 9449
 <211> 644
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G6

<400> 9449

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gtcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
aaccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
tcacccttgt tctccaaca atcatcagcc ctattacagc agttaccttt ggtgcattta 300
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ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg 600
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<210> 9450

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G7

<400> 9450

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ctcctatagc ttcccttctt cccccgtacc tctcaccaac ggtgtcttcg gtatgtgaaa 180
accaattct tcaaccctac aggatccaac aggcaatcg cagctggcatc ttacctttat 240
cacccttggt cctccaacia tcatcagccc tattacagca gttacctttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
atttgcaaca acaacaacta ccattcagcc agctatctgc tgctacccc cagcaatttc 480
ttccattcaa ccaactgaca gcattgaact ctctgctta tttacagcag caacaactac 540

taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa ccacagttgt 600
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<210> 9451

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-K6-G8

<400> 9451

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 tcattattcc acagtgtca cttgtccta gtgccattat tccacagttc ctcccaccag 180
 ttacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa ctagcgcttg 240
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 tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcatctagcc 540
 cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
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<210> 9452

<211> 652

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H1

<400> 9452

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gggcttcgaa caccagctg tgcaagccta taggctacaa caagcaattg cggcgagcgt 240
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 tgtggccaat gcacctacat acctgcaaca acaattgttg caacagattg taccagctct 600
 gactcagcta gttgtggcaa accctgctgc ctacttgcaa cagctgcttc ca 652

<210> 9453
 <211> 647
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-113-Q1-K6-H10

 <400> 9453

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 aagcttacat caaagccaaa tgaaagcctc tatgagcaga agcccgagga accagctccc 240
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<210> 9454
 <211> 642
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H11

<400> 9454

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agcaaggaca ccgtggggca gtacgagtc cacatcgct tcaactcttc tgggctctac 180
cgtgtcgtcc atggcatcga tgttttcgat cccaagttca acattgtctc ccttgagca 240
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atgtacagcc tcacgacga gtacaagttg aagggccata tccggtggat ctcggcgag 600
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<210> 9455

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H12

<400> 9455

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ccatttttcc tcaatactca caagctccta tagctgcctt tttccccca taccttccat 180
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tcgcaacaag caacttacct ttatcacccc tgttctttca acaatcgcca gccctatctt 300
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tgatcagcca agtagctctg gcaaaccctt ctcctactc tcagcaacaa caatttcttc 420
cattcaacca actgtctaca ctgaaccctg ctgcttattt acaacaacaa caactactac 480
cattcagcca gctagctact gcctactctc agcagcaaca atttcttcca tttaaccaat 540

tggccgcact gaacccctct gcttatttcc agcagcaaact actactacca ttggtccagc 600
tagctacaac aagccccact tgctttttga aacaacaaca a 641

<210> 9456
<211> 92
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H2

<400> 9456

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ggaagagatg gcggaacaag acgaagagca cc 92

<210> 9457
<211> 659
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H3

<400> 9457

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<210> 9458
<211> 601
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-H4
 <400> 9458

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 gttattgaag gaggcagctg caagttgctt gatcagtcct aatcaaactt caaagggttt 180
 ttctagacta gctgaggggtg ttgacgactt gagtcttgat attccttctg ctaaagttct 240
 ttttgacaag ctgggtttcaa cagctatata tgaaggatgg cttgatgctt cttttggtaa 300
 atcagctgcc cctgatgaag agatacaaag tacaagcgtt gtaaagggtga agcgttttta 360
 agaagaatgt ggccacataa ttcattgagta ttttctctca gatgatgtcc cagaacttat 420
 tcgaagcctt gaagagcttt ctgctccaga attcaatccc attttctca aaaagcttgt 480
 gacgcttgct atggatagaa agagcagaga gaaggagatg gcctcagtac tcctttcttc 540
 attgagatta gaattgtttt caactgatga catcattgag ggttttgtaa tgctcttgca 600
 g 601

<210> 9459
 <211> 520
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-H8
 <400> 9459

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 cagcaacagc agtttcttcc attcaaccaa ctaggttcat tgaactctgc ttcttatttg 120
 caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca atttcttcca 180
 ttcaaccaac tagcagcatt gaactctcct gcttatttac agcagcaaca actactacca 240
 ttcagccagc tagctgggtg gagccctgct accttcttga cacaaccaca gttgttgccg 300
 ttctaccagc acgttgcgcc taacgctggc accctcttac aactgcaaca attgctgcca 360
 ttcaaccaac ttgctttgac aaaccagca gtgttctacc aacaacccat cattggtggg 420
 gccctctttt agatttctta tgagttatag ttcaataata aagtttttta tctgatgttt 480

gtggcttccc agaaataaga aagtacattt ctgattctt

520

<210> 9460

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H9

<400> 9460

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atggctaaga tcgccgcggc ggcggcgggc gcgctgtgct tcgcggccct ggtggcctg 120

gcctgttccc aaggcgaggt cgagcggcag aggcctcagg acctgcagtg ctggcaggag 180

gtccaggaga gcccgctcga cgcgtgccgc caggctcctc accggcagct aaccggcggc 240

ggcgggcggc gcggcggttg cccgttccgg tggggcaccg ggctccggat gcggtgctgc 300

cagcagctcc aggacgtgag ccgcgagtgc cgctgcgcgc ccatccggag catggtcagg 360

ggatacgagg aggccatgcc gccgctggag aaaggctggt ggccatgggg gcg 413

<210> 9461

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-N6-A1

<400> 9461

ttcagttgtt attgaggaaa tggcagagga tgatgacaag gctggctgtg tgctcgaagt 60

gctgcaaggg attagacgaa gcaaattccga gaaaatggcg atgagtatca actccagctt 120

gttgcaagaa atgcacctac tgaattctca gaaagggaaa atgaacatgg attgactgta 180

tcattggatg aatcaaacia cagtcctaga aattgttcca aacagagaat cgggggaaaa 240

gacatgtgag cactatgcna cataagacct gaagagaaaa agtggagcca ttagcaaccg 300

tggagatgct tcaaggggga cagctgagat tgatggagcg taaaagaaaa agaaaaagag 360

gcaaggacaa tgcactgtta tggacacagg ataagtaaac aacgaagaaa aggacgttta 420

gctacacgat actacagctg atcctgttcg gtataaaaca gaactataaa gaataacatg 480

acaaaaagtg ctgttagatg gtgataccac tgagcaatct gctcagaaca acattgtcaa 540

taaagacact gacgaggcaa gtgcgcacga cgcctattat aagaacaag 589

<210> 9462
<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A11

<400> 9462

cccacgcgtc cgtgcttatt tccagcagca aatactacta ccattttggc cagctagcta 60
caacaagccc cgttccttc ttgacacaac aacaagtgt tccgttctac cagcagtttg 120
tggctaacct cgcaaccctc ttactaactgc aacagttgtt gccctttgtc caacttgctt 180
taacaaacct agcatcctta taccaacaac acataattgg cgggtgccctc ttttagattg 240
cttattagct gtaattcaat aataaagttt tttgaatgat atatgtggcc tcttagaaat 300
aaaaggatat atgcccaatg taaatagctg gccaaaaaga aaaaaatatt tgctgctgga 360
aaaaaaaaca gacccctggg cggacacggg g 391

<210> 9463
<211> 501
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A12

<400> 9463

cgaccacaag cctgtgttcg ccacggcggc ggtgagctcc ccgccggagc agaagccgtt 60
cgtggcggcg gcgggcgggc tgccccggc gttcccggag ctggcggcgt actacgaccg 120
gccgtcggac tcgatgccgc ggctgcacgc ggactactcc agctgctcgg agcaggtgct 180
gtccccggag cagctggcgt gcgaccggga ggtgcagagc cagcccaaga tcagcgagtg 240
ggagcggacc ttcgcctacg acccctgaa ccccgcgggc tccatgctcg acccgtcat 300
cagtcacgcc tgcggtgacc cgatgctgca ggacatgctt atgtactgtt gcaagccgct 360
ctagacgaca ccgaccatca tgtcctgagg ggaggtggtg gtggccaacc atcctcgggt 420
aaggcatgat gggtgattga tctgtctagg gctgggcact gcacttcaag ctcaccgtgt 480
gggcttgagt cagccagcc g 501

<210> 9464
 <211> 388
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-113-Q1-N6-A2

 <400> 9464

cacgcctgca ggagccggga tgctatagag cggtcgacct acgcgttcgt atggagagga 60
 gcgggagcagg agaggagggc ccttgagcga gacactacgg tgtgaaagac gtagtacact 120
 aacaagcgct gacgagaagg acggtatgaa gctagatgat gagcgactac aaggcggaca 180
 tgggtgaacga cgggacgcag gattgctgac ctgaatgcaa.tggcccgtac taaagcttat 240
 accaaggagg ggcattggatg gctcgattag aactgtctga tgcataccct taaaaatcca 300
 tcatccattg agcttcatca acaagataca tgactcgaat gtcgatgaca tgtctgtctg 360
 tgtcagcata catgtcataa accagaca 388

<210> 9465
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-113-Q1-N6-A5

 <400> 9465

gcctgcgtgt gccgggctgc tatagagcgg tcgacctacg cgttcgggtga aacgccgaga 60
 agggcaggat catcatgggt ccagacactc ttatgacggc aagggccgac ggggaccgcc 120
 tggtgaccct ctaagaccta tgactgggct gagggacacg gcagcatcat gcaagcttgc 180
 ccttgagaga ccattacctg atttttcaat acatcagatg catgataatg atgattacca 240
 cattgtattc aacagaggac gggctgctgc gggctttctg atcagtgtct agtgggctac 300
 aaagataaac gaatgttcta ctggggatgt gaaatcacgt tatgctgcgt tctccctaag 360
 gttgctaagt tcttatggat gggctatcat gtgcaatgag aatgggtggac tcaatca 417

<210> 9466
 <211> 564
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A6

<400> 9466

ggcaactact tattggcattc atcgtcttca tatttgccac ggttggtgtc ctgcttggtta 60
tggagaccct gaggcgattc cttcacgcac tgaggcttca ctgggtggag ttccagaaca 120
agttctatga aggtgatggt tacaagttcg cccattctc ctttgcgctg attcgtgagg 180
aagaagattg agatcgctcc atgtagccga tgtacaatct ttgatggcct ttgttcccg 240
aacaatcat tttttcatct gttgtctcgg atggatcata aacctcagtc ccttttggtt 300
agacatggga cgaacagcac catttttact tgttttagta tgcagaggat ttttgggtcg 360
gttggcggga aacatggggg tgatatcacc attgtatgat gctaataagt agttgccgat 420
tgggcggtgt gttggatata aataagcact gtattgaagg ttaaaccattc cgctacgttc 480
gttgtcaata aagagtgtca tgtacgctgc tggcggttgc cacaaaaaa acccaagggg 540
gggaaggaaa cccccaaggg gctc 564

<210> 9467

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A7

<400> 9467

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gaaacacatg caggcgtgcg agccacatg ctacagctca gcgcatgtgg aaagcaaattg 120
acagcaccca aaaggacagt tgcgtcaaca ggcactgggc aatataaaca tacggacgat 180
tggaacgaat catcaacaac aacaacagaa ggtggcatca atgggccaac taactgcca 240
tgaacatgt cacctacttg catcaggaga tgactgaata caaccaata gatctagcta 300
acggaattga ataccatgaa caacgtcagc tgcaacagtt gatacaagta gttaagcaac 360
tagtcatgca agaacgctgc acgatatgta catactacgt tcatatatcc atgtcgggt 420
ggagaatgct cctacatacc tactacaaca ggagctgcaa cataatgatg cagttctgac 480
tgagctaggt gatgaaaagc ctgatgtcta cttacaaca 519

<210> 9468
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-A8

 <400> 9468

tgcattttat gtgagagcaa caagagcgta cattatacca cagtggctgc attcgctaca 60
 agggacggta tcatcaaaga gaattggttg agtgacatca atgggcgctg atcaacgaat 120
 gagcaagcat tgggctacaa caagcggttg atgaaagcgc tgtagaaciaa tccaagtagg 180
 ccactcaciaa cagcaatata taggcacatt taacgataca aaccatctga tcgcagtagg 240
 cacaagcact gaccaccta gccgaggtga accctataca ctacttgga caacatgtgg 300
 ttgcatccaa cgcagttgct tgggcgtacg tacatggata ctaacaagag caacagatgc 360
 aacagtttct accagcgctc agtcaactag acatggtgaa ccctatagnc tacctacaac 420
 aggaacaacc tgtttc 436

<210> 9469
 <211> 325
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-113-Q1-N6-A9

 <400> 9469

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 agtcgctagt ggcagcacca atcctaggca catataaciaa tacagaccat tggaacgcaa 120
 cagcagacag caattactac cagcactgac acatctatgc atggtgaacc ctgccgccta 180
 cttgcaaatac ggtggctagc attagaccga cctgctctca gcaaacagag gtgtaaacca 240
 gacacaaciaa cagctgcaac agtttctgcc agggctcacc aaactaggca tgggtgaaccc 300
 tgccgatacc tacaacataa caact 325

<210> 9470
 <211> 469
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B1

<400> 9470

gggaaatctg ggaaggatgg ctggcttctt cctgggcatg gtgatgtagt ttccctcttt 60
ggtaacacag gacaacttga catcttattg gctcaaggca aagagtatgt ctttgctgca 120
tactcagaca ccttagagtg ctatagtgcg acctcatgat cctaaacat cttatcaata 180
accagagcga gtactgcatg gaggttactc caaacacgct ctctgacaat aagggtggca 240
ctctcatctc ttacaaatga tgaggtcacc tgtcgtacat tgcccaagta cccgattgag 300
catgtgaatg aatacaaata cattcagaca tagttaagat attcaacact aacatctagt 360
gggtgaacct taccgctctc aacagactca gaaacgctga ggcacttaac atagatatct 420
ttgcaaacc cattgaacct gacgggtgtaa aagtcctcct tctcgaaac 469

<210> 9471

<211> 471

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-N6-B11

<400> 9471

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tgtcacacaa cttaatagcc ttgagcatca tgcgcctatc gtgaggtggc taattagcga 120
agaagctcac atcgattgcg cttcgcatca gtgtgcgctt tctgaatggc aaatgtgacg 180
cgccatgtag attaatatct agcgcaacgg gcgtggagag gacgctcagc tattgcgcta 240
cactttgcat tggtctatca ccagctagat tggctatatt tgattgcttt ctcagcgacg 300
tgtcgcttgg atatactcgt aaaggtgtaa aacgggtggc tgctttaggg ttccaattta 360
ctgctttatg gcgcctaaag cccaaaatat taattagctg gattgggtac gtagtgtgcc 420
actaccctga tatacggatc ttgcgctgtg gacgattgag taaaggttct t 471

<210> 9472

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B6

<400> 9472

atctatgaca agctggcacg cctgcgtgtg ccgggatgct atagaggggt cgaccctacg 60
cgttctgtat atttagatta gagtacatga taatactaac gatgatctac cgcagatagt 120
ggaaagacac taagatgtgt cgtggactaa catttataga ctattcacia gcagcctttc 180
agctagattc atatgacacg gaggacttgg caagaacatg atacgtgcta gtgggctagg 240
ctataagctg catgctacta tagttcacac acgcgaatgc taatatctca aggtatatag 300
tctggatcct gcaagaagct ggccatgaag cgaatcctga cttaaaatcc atgagcaggt 360
ctccaaactc agcgtgagg aggcaatttt ctgccgatag gcacatgcgg gctcggtaac 420
cggggccata tgtctggatc aaataccttt cctttaggag gaagaaggcc atattgatgt 480
gtgcaaaaga actgaggag tatgggacta tttgtatact actgggcatt aagtgcattc 540
tttgagaaat ttctgagaaa tttaccgtac taccaagatt gat 583

<210> 9473

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B7

<400> 9473

atctatgacg agcttgacg cctgcgtgag ccgggatgct ctagaggggt cgacctatgc 60
gttcgagata gacaatagac gtcctcattg gtgggcagac acttacagct tccatatgct 120
tctatgttct gtactgtagc gctgatgccg tatccatgag ggcacagtgc ttgctggctt 180
ctatggctga actg 194

<210> 9474

<211> 346

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B9

<400> 9474

agtgataacc tgggtgatgg taattagcag gcggtcagac ctatgcgttt cttaaaaaaa 60
tttttaattt ttttattttt tttttttttt ttattatttt aaaaataaat attttaaaaa 120

taaaaaaaac ggggggtcaa tctataatat caaagattaa tatcgagtgc atacaaggtt 180
 ttagtTTTTT tatagggtaa aaaaatttaa attaattggg cgTtgtTTta taacttggga 240
 aatggaaaaa cCctgaaata ttcaaaatta attgaattga agaaaattaa attttaaaaa 300
 tgTggtgtta taataaaaag gccattaaat ataatttttc taaaaa 346

<210> 9475
 <211> 530
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-C11
 <400> 9475

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 tgcctactct cagcaacaac agTttcttcc attcaaccaa ctagctgcat tgaactctgc 120
 ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 180
 atttcttcca ttcaaccaac tgacagcttt gaactctcct gcttatttac agcagcaaca 240
 actactacca ttCagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 300
 attgttgccg ttctaccagc acgctgcgcc taacgctggc accctcttac aactgcaaca 360
 attgctgcca ttcaaccaac ttgctttgac aaacccaaca gcattctacc aacaacccat 420
 cattggtggt gcctctttt agatttctta tgagttatag ttcaataata aagttttttg 480
 tctgatgttt gtggcttncc agaaataaga agtacattt ctagattctt 530

<210> 9476
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-C3
 <400> 9476

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 ctacggtgga cctacgcaca tcggtccctg ttgacctaat acgcttatcc tagatgacgg 120
 tgaaattacc tgTtcgaggt atcattgatc ttaacaatcg ccgggctaga ctccagtgcT 180

acttcgaccc ggcgtactacg tactgacgtc ctctactgtt gcttcactgt tgttggggcc 240
tagatcggat cagatcaact ctttaattgcg ccataacttt ttagacagat catgcagctt 300
gtaaatcata cacagatgga ctacctgatg gaaaagggtga gcgcctgaca agagcgctg 360
aatatcaccg agacggaaga tattaataat atgacggaac caatgagata cctgatcttt 420
aagatgaat 429

<210> 9477

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C4

<400> 9477

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aatgggatga cgcgtgtgca aattaggggt tctagcacct atccaatttg tacgcagagg 120
tatagagcat tgggccgaca ctgtacaact gcatttatga atcataatga gggtcgggac 180
acatccataa tctatgaggc acaacatact aacttatatt tctgagataa gacactatgc 240
tataacatta cccatttcca ggctcttatg tttcaccaat atgatagcgt gaacaatctc 300
atcatgtaaa taattatgca tgatgatact tacaatataa ccaaccatgg atatttcgtt 360
gatttcatta aatacactaa attctagctc tccaatcaag atttaccat 409

<210> 9478

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C5

<400> 9478

gcgccagcgt cggctcttctc ggctctctgc gcggcgccct acgtcaggcc agatgtggac 60
tcgatcgtca gaacgacgca gatcacccca gtcgttcaca cccaagcaaa tagcaccact 120
tataccccta aaaagtacat cagcagctac gtctattgcg gtgcagagat cctcctgcgg 180
gtacgcgtga agccgatgcg taactccctg acgcaatcta cgagtcgcgc gcgttctgga 240
gcttgcatatc aaaaccgcag ccgagcacat gccaccaatt cgatagaagg gtgactgcaa 300

gaacatgatc cggcaagaac agcaagatct gatcaatcga tatgaatcca aatctgacca 360
tctcgttcgg cttgaatgcc tgcaggtcta cctcaccctg tgcacggagc tggcctcggc 420
ggcggcggac ac 432

<210> 9479

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C7

<400> 9479

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ggtgaaccct atcgccctact tgcaacaaca gctgcttgca tccaaccac ttgctgtggc 120
aaacgtagct gcataccaac aacaacaaca gttgcagcag cttctaccag cggtcagtca 180
actagccatg gtgaacccta tcgactacct acaacagcaa caacttcttt catctagccc 240
gctcgatatg ggcaatgcac ctacatacct gcatcaacag ttgatgcaac aacagttgct 300
gcaacaaatc gcaccagatc ttactcaact agctggggca aaccctgctg cctacttgca 360
acaactactt gcattcaacc aactgactgg gtgcgaactct gctgcgtacc tacaacagcg 420
acaacagtta cttaatccac tagcaggggc taaccattg gt 462

<210> 9480

<211> 618

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C9

<400> 9480

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agcaacatac ctttatcacc cttgttggtt caacaatcg cagccctatc tttggtgcag 120
tcattggtac aaaccatcag ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac 180
caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 240
caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc attcagccag 300
ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 360

aacccccgctg cttatttgca gcagcaaata ctactaccat ttagccagct agctgcagca 420
aaccgtgctt ccttcttgac acagcaacag ttgctgcctt tctaccagca gtttgcggt 480
aacccccgcaa ccttcttaca actacaacaa ttgttgccct ttgtccaact tgctttgaca 540
gaccgagcgg cctcctacca acaacacatc attgggtggg cctcttttta gattgcttat 600
tagttggaat tcaataat 618

<210> 9481

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D1

<400> 9481

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aaccctgtca cctacttgca tcagcatatg atagaatcca acccactagg tctcgatagc 120
gtagctcatt accagtgtca tcaacaggtg ggacagttca tgccagggt gatgcaacta 180
gccatggata accctgacct gtacctacag ctactttcat ctatcctgct cggcggaggg 240
caatgcacat acgtacctac aacaacagtg gatgaagcaa atgggtgccag ttctgactga 300
actcgctaga gcaaacccta gctcggctac ttacaacaga agctttcatt gaacgcaact 360
ggctgggtca aactctgctg gctacctaca acatcgacca cagtgactta atacatgggg 420
aggggctaac ccattggcat ctaccttctt gagcgagcta catcaattgc tgccatacaa 480
ccaggatatg ttgatcaacc ctggcttgct agaacctatc gtaaaacttg ccatctgttt 540
agattacata tgatacgtag tcgacaat 568

<210> 9482

<211> 479

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D11

<400> 9482

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tgtggcgaaa acccaaaggg tgacccttac aggattcaac aggcagtcga accaggccta 120

ctaccattgt gacactaggg cactacaaca tcacatcagc cctattacat gaatggacct 180
tatgggtgcag tctgggtggca caaaacatca aggacatca tctacaacaa cttgagctaa 240
caaacctggc tgcatactct caacatcatc agctgattgc atacaaccaa ctggctgcat 300
cgaactatgc tagctgattc ccaacagcaa ttaccattca accagctagg tgctgactac 360
caccacagtt tgctactcaa accaactagc atcatggaac tctgctgctt atgcacagca 420
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<210> 9483

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D4

<400> 9483

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gtgaactatt gctcatagga aatctaaaag agggcaccac caatgacggg ttgccggaat 180
aacgctaggg ggcggggcgg agcatgctgg ctgaatgcgc atcaccagcg cagtctgtaa 240
gagggtgaca acgcaaggct gcaaccctac aggataacaa caggcaactg acagctggat 300
taagaacgta gataacccta gaccatccaa cattcatgat gcctattaca tgagctacct 360
ttgggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 420
aaccttgctg cctactctca gcaacagcag ttgcttccat tcaaccaact agctgcattg 480
aactct 486

<210> 9484

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D6

<400> 9484

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taagctgcag tctgagctctg tcaaggatgc catctcccag attggtgggg atgccaagga 120

gaacactagg aagttcactg agactgtgga actccagatt ggtctgaaga attatgatcc 180
acagaaggac aagcgtttca gtggctctgc taagttgccc catatacctc gttccaagat 240
gaaggtgtgc atgctcggcg atgccagca tgccgaggag gccgagaaga tgggacttga 300
ctacatggat gatgaggctc tcaagagggt gaacaggaac atgaagcctg ttaagaggct 360
tgccaagaag taccatgctc tcttggcatc agatgccatc atcaagcaca ttccccgggt 420
ccttggtgct g 431

<210> 9485

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D7

<400> 9485

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cccgtgccag ctgcaggga cctgcggcgt tggcagcacc ccatcctgg gccagtgcgt 180
cgagtttctg aggcattcagt gcagcccgac ggcgacgccc tactgctcgc ctcatgcca 240
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ggcgatcttc ggcttggtcc tccagtccat cctgcagcag cagccgcaaa gcggccagggt 360
cgcggggctg ttggcgggcg agatagcgca gcaactgacg gcgatgtgcg gcctgcagca 420
gccgactcca tgcccctacg ctgctgccgg cgggtgtccc cactgaagaa actatgtgct 480
gtagtatagc cgctggctag ctagctagtt gagtcattta gcggcgatga ttgagtaata 540
atgtgtcacg catcaccatg ggtggcagtg tcagtgtgag caatgacctg aatgaacaat 600
tgaaatgaaa agaaaaaagt attggtcc 628

<210> 9486

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D8

<400> 9486

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agtgtttctt gtacacagac aggcgggtgc agctgtgggc aacaacaaag ccatgagcag 180
caacatcatc cacaacaaca tcatccacaa aaacaacaac atcaaccacc accacaacat 240
caccagcagc agcaacacca acaacaacaa gtccacatgc aaccacaaaa acatcagcaa 300
caacaagaag ttcatgttca acaacaacaa caacaaccgc agcaccaaca acaacaacaa 360
caacaacagc accaacaaca acatcaatgt gaaggccaac aacaacatca ccaacaatca 420
caaggccatg tgcaacaaca cgaacagagc catgagcaac accaaggaca gagccatgag 480
caacaacatc aacaacaatt ccagggtcat gacaagcagc aacaaccaca acagcctcag 540
caatatcagc agggccagga aaaatcacaa cagcaacaat gtcattgccca ggagcagcat 600
cagactacaa ggtgcagcta taactactat agcagtagc 639

<210> 9487

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-E10

<400> 9487

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tcgcaactag caacatataa agcacattat tgtaccaata atggcaaaac aatatatttt 120
gcctcattat gctacttgga ctttatagaa agggctcgct acaagcgagc attttccgcg 180
aaagctcaca tgctcctata aattcccttc tccccacatg acctctcacc agcgatgtct 240
taagaagtgt gaaaatccaa ttctcactac cctacaggat ccaacagcgc attcgcagta 300
ggcatcatac ctttatgacc ctcatctact caacaatcat aaggcctatt acagcagtta 360
ccttcagagc atttataggc aaaaacatc agggcacaac aactacaaca actcgtgcta 420
gcaaaccttg ctgcctactc taatgaacag cagttacctt tggtgcatta gctggcacia 480
aacatcaagg cacatcagct acaacaacta agtgctagca aaccttgctg cctactctca 540
gcaacaacag tt 552

<210> 9488
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-E4

<400> 9488

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accactgaca catcatacat aaaagtttac ttatgcacca tgacttatat gcaagcgaaa 60
atacggcacc aacaatgata cattgctcac aagatcacta tatcagtccg gggggcgcg 120
accttgaacg acaggagtcg tcaatgtggg aaaacgcagc cagccaaccg tacaggatgc 180
aacaggaact ggcaccacgg atgttaccat aataacgctt gatgcttcaa caaccgtaag 240
tcctataaca gcagttacct ttgggtccatt tgagtggcac aaaacatcag ggcacaacaa 300
ctacaacaac ttgtgctagc aaaccttgct gcatactctc agcaacatca gtttcttcca 360
ttcaaccaac tggctgcatt gaactctgct gcttattggc aacaacaatt accattcagc 420
cagctagat 429
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<210> 9489
 <211> 458
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-E7

<400> 9489

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cctccctggt cggtcgatcg cgaggatgac gccggcgagc gtggtcgccg cgcccaggag 120
cgtcggggcg ttgcccttgg cggcggtccc ggcgcccgcg agggccgggg tgcgaggaggaa 180
cggccgggtcc tcgaggcccc cggcgtgcgg cggggacgac cagcagccgc cgtccatggc 240
cgcgatgccg gcgtcgctgc gcgccatcca ggccaggagg aagcaggagg cggcgcagcg 300
cggggtgccg cgggcgacgg ccacgagcgc ggccgggtgc gccgtggcgg ccctcgtcaa 360
ggcgtgggag gccgtccagg gcgcggcggn cgggggcgcc gcggaggccg cgcgcggcgc 420
ccgggacgcc gtggcgtggg tggtcagcaa ggtccacc 458
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<210> 9490

<211> 348
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-E9

<400> 9490

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ttgacgggagc tcaagaggaa atgctgccgc gagccgaggg acatgccgaa ttactgccgg 120
agcacgggggc tgaagatcct catggactgt acgatgccgt ccagccccga cgcccagccc 180
gagggcctcc tacaggacct gacgatgctc accgccgagc gccagagggg atccgncatg 240
cccctcagca cggaggccga gtgcatcctg gccaccatca acgggagggc cggacgcatg 300
ccgaatgtcc gggggggcac gaaccaccgg aagttactga gaagagca 348
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<210> 9491
 <211> 578
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-N6-F10

<400> 9491

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tgctgtgagg cgccggcagg accggccacc gctcttgcta acagcgcatg gaccggccat 180
cggcgtgacc ttctgattca cggcgtgagc tatacaccga gacgagccgc caagctgccg 240
ccggcacgcc accactcgga cctggggaat ctgatcgaac gtaccgcacc gatgttatag 300
aagagattct gcgggagcta atgctatgcc ggagtccatg agaaacaaga aagacagatt 360
ccacaggggac cggacaccac agatgaacac gcgcgcgaag ccatagacca gccggaaaga 420
tctgaccaca tgacagatat aaaggatgca gaggacccat actcactctg aacacctgag 480
cgcggtgaca gcagactcac atgaacggaa tgatgaaagg cctcatgata cggtgagtcc 540
gaccgataca gtgcaagaca ctgctatgag aactatga 578
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<210> 9492
 <211> 454

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-F3
 <400> 9492

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 cgcgctgata acgacagcag tggcggccaa cctgagcacg cacagttcga tcaacggcca 120
 ctaacaggtc gctggccacc gtgactgaga tcatagacag cagcagagac tgacgtagcc 180
 acactctgac acgntgggtga cagacatacc aatagaagat gatctgaate gccatgttga 240
 ccatgctact cagcagctga tctcctcgct gggcatctct agagcaagca actgtgcgcc 300
 actctccagg gcttaacact tacaatcgat agcaaggacg caccacgggtg aacatgggtgc 360
 ctactgatat aaagtggaat gtctgaagcc cttgctagta agcccacact agctagctga 420
 agatgaaccc gcagagatta gcctgctgca tgac 454

<210> 9493
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-N6-F4
 <400> 9493

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 aaagacaacg cgaatcgcg gtttaacacc cgatgaccag tcccgtgcgg ggaccacaga 180
 tgcggacctg accccatcca tcaaggcdgg cgtgcagcga tgcagtgtag ggtaacttac 240
 caggaaggag atgctctctc tagaacaact gtgcagtact ttgttaatca gagtacaact 300
 accactattg tgcggggaca tgcttggaag aatatggagg gtggcaggaa gcaccgacca 360
 gcgggcatag cctgacacga gcattctcag gggacggcac tgaggcaacg gtgttatgac 420
 acatgaacac aat 433

<210> 9494
 <211> 581
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G1

<400> 9494

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ggttgggtggg tccacctctc gccgtgcccc gccgtcgacc cgcctcagaa tcaaagataa 120
gtcaaaggaa aggtcgggat gcgccggtgg ttttgctgca cgaggtttaa tgcttcatac 180
cgtgaacatg aaaatgaacg tcccatcact ccagaggaga aagaaggaaa tggtttttct 240
gttaaaagtg atcccatcaa ggcaccacct tcctttgaag tccttgaatt atcatttgaa 300
gaattgaaag aaaagaccga caatttttgt tcaatggctt tgattgggtga ggggtcatat 360
ggaagagtat attatgctat tctggacagc ggaaaacatg ttgctgttaa aaagcttgac 420
gcttcaacag accctgaact tgataatgag tttttgacac aggtatccat tgcctcaaaa 480
ctaaaacatg ataattttgt ggagatgctt ggatattgtg tggaaggaaa tcagcgtcta 540
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<210> 9495

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G10

<400> 9495

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ttctccaatc atagtagtgg aagcattcat cctcatacaa agagtgggtc cgttgctcca 180
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gcaaagtggc acatatctga taaaaaagtg gaagcacgca agggatcaaaa gtctgattct 300
cgagctaacc gctccacagc aagtaactct tctcctgaga caaagctgtc caggaaatca 360
ctggacatat caagtctgct ttgagatttg aagactccag tgtctgatgc ttcaacgcca 420
cccttagtat ccagagcaga tccatcatac tacaaggggc attctcaacc tacagattca 480
gattcgatga agaaagcatg gcggtcacca gggtatcaat tatac 525

<210> 9496
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G3

<400> 9496

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 tagtagcctt caatataaca tccatgagag aggataaggc caaatctaata caataattaa 180
 ctgggggctcc tcatatggcg actaacatga ctgggtctaaa ctacgtcact ccgccgagtg 240
 acagaaccaa agcaccatca cgcgaggcat cattcgcaaa acacgtgggg gcggattctg 300
 atcctgtctac cgctaagcac tcatttacat tacataacaa cagtgaagta tagacgttat 360
 aga 363

<210> 9497
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G6

<400> 9497

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 gaaacatttt tgctgtaaag gaggcggtga aaggcagcaa ttgctgcagg tgaaaacacg 180
 atgccatcaa ccatacacia tccactagga aaacggaac aactgtgtta cgctgtcaaa 240
 aaggtagcac ctctaacaac cattagccgt attacatgga atacctgtgg cgcatgtata 300
 ataaacaaaa catgacagtg cagcaactac aacaactgga gctaacaaac cttggtggct 360
 ac 362

<210> 9498
 <211> 521
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H11

<400> 9498

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gaccctattg ccatgtacca cactgactcg attatcacca gcacatgcca agaaacagat 180
ggaagcgcgg gcaccggggg gcaggacgag gccacatctt gttcattttt cctgggctat 240
accgaggaca gcatggcctg gatggtcagg ataccaagtc taacattggg tgaactgtag 300
catacatgag tgggtactac ccctatacag aaacctaacg gacactcact gcctgtactc 360
ccgaaataga ggaattaatc tacagcaaca tagataactg cgatcccaat tataaagctt 420
atgacaggaa gactgcgata atttgttcca tgagccgtga tcagccttgg attgaacatg 480
acaagtccac caggatatgc acggcctgaa cgctcgctg a 521

<210> 9499

<211> 659

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H3

<400> 9499

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tgagtaccgt tgcttcgttg gcggcctcgc ctggggccacc gacgaccact ccctcaacaa 180
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agcggtgggg tccgctgagg cctagttatc ttgttcgctt ctgctaccgt gttcacccta 600
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<210> 9500
 <211> 534
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H4

<400> 9500

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gttattgaag gccgcacctg actgttcgct tgatcacact ctaatcaa atctcaaagggt 180
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ggtcttactt gccacagacc tagcctgtgc acatctgagt gatagttatc agaccatgct 480
cgaaacactc gctctgcatg accaaaacgc tgatgtcggt atgggtcttac atct 534
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<210> 9501
 <211> 633
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H5

<400> 9501

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ttatgctact tccagctatg ccttttgtct ttttttagaa aaacttccag ttatgactta 180
attgttaata ttgacaatac cagtgtagga atactgaaat tagtcttgaa agtaagacat 240
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gatgctttgc cgtccatgt catctatagc ggacgctctg ctgtcgtgct gctggatggt 360
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ctggagttga tgtgcttttc cttctgcagg ttcagtcggt tagattctat gtggagagtc 480
```

cttcttactg cattttcttt ctatggttct ttgggtcggc ttaagttgct aaccacttct 540
 gtgcttttgt aatatgggcg acaggtctc tcagtagctt tgtcataaaa caattctact 600
 tcccccta atagtacatg tgactctgac atg 633

<210> 9502

<211> 677

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H8

<400> 9502

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 tctcagcaac atgcagtttc ttccattcaa ccaactaggt tcataagaac tctgattctt 180
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 tgccattcaa ccaacttgct ttgacaaacc cagcagtgtt ctaccaacaa cccatcattg 480
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 tgtttgtggc ttcccagaaa taagaaagta catttctaga ttcttaaaac aaatggggaa 600
 aaaggaaaaa actccttttg cttaaaaaaa agcaaaaagg ttttttaaaa caaattgttg 660
 aaatttttgg ggggcct 677

<210> 9503

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H9

<400> 9503

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ggccgtctga caaggcgagg tctagcggtg gacgctcacg gacctgcagc gctggcagga 180
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<210> 9504
 <211> 591
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-A1
 <400> 9504

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 agtttatgcc agtgctcagt caactagcca tgggtgaacc tgcggtctac ctacaactac 180
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 aacaaattgt accagctctg actcagctag ctgtggcaaa ccctgctgcc tacttacaac 300
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 aacagttact taatccattg gcagtggtta acccattggg cgctaccttc ctgcagcagc 420
 aacaacaatt gctgccatac aaccagttct ctttgatgaa ccctgccttg cagcaaccca 480
 tcgttggagg tgccatcttt tagattacat atgagatgta ctgcacaatg gtgccctcat 540
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<210> 9505
 <211> 654
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-A3
 <400> 9505

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<213> Zea mays
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accgcagata ggtgtgcttt ctacaactgc cggttcctcg gttggcaaga cacattatac 480
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<210> 9507
<211> 661
<212> DNA
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<223> Clone ID: LIB3061-103-Q1-K6-A6

<400> 9507

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aatgcggttc attattccac agtgctcact tgctcctagt gccattattc cacagttcct 180
cccaccagtt acttcaatgg gcttcgaaca tccagccgtg caagcctaça ggctacaact 240
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atctagcccg ctgcgggtgg gcaatgcacc tacgtacctt caacaacagt tgctgcaaca 600
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<210> 9508

<211> 663

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-A9

<400> 9508

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gtgtttcttg tacacagaca ggcggtgca gctgtggtca acaacaagc catgagcagc 180
aacatcatcc acaacaacat catccacaaa aacaacaaca tcaaccacca ccacaacatc 240
accagcagca gcaacaccaa caacaacaag ttcacatgca accacaaaaa catcagcaac 300
aacaagaagt tcatgttcaa caacaacaac aacaaccgca gcaccaacaa caacaacaac 360
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aacaacatca acaacaattc cagggtcatg acaagcagca acaaccacaa cagcctcagc 540
aatatcagca gggccaggaa aaatcacaa agcaacaatg tcattgccag gagcagcaac 600
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aat 663

<210> 9509
<211> 677
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-103-Q1-K6-B1
<400> 9509

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caacagcagt ttcttcatt caaccaacta gctgcattga actctgcttc ttatttgcaa 420
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agccagctag ctgggtgtgag ccctgctacc ttcttgacac aaccacagtt gttgccgttc 600
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aaccaacttg ctttgac 677

<210> 9510
<211> 587
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-103-Q1-K6-B10
<400> 9510

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 ctacgtgtgt gccggcggtg tccccactg aagaaactat gtgctgtagt atagccgctg 480
 gctagctagc tagttgagtc atttagcggc gatgattgag taataatgtg tcacgcacca 540
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<210> 9511
 <211> 681
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-B11
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 gcattgaact ctgcttctta ttgcaacaa caacaactac cattcatcca gctacctgtt 480
 gcctaccccc aacaatttct tccattcaac caactggcag cattgaactc tctgcttat 540
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<210> 9512
 <211> 649
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-B12

<400> 9512

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ggcaagggtcg ttgccaagtt tgttgggggc aagcacaagg gatcaaagac ttgtgtttgg 180
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aagaactaaa tttgttttgt aggtttatgc atccggtggc tcaagttgga tactcgatag 300
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agttaa atgc gaatggaaat ctctgagca gctattcaag attatgtgcc acagtggaat 480
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aaatctatct cgcgttcttc aatctcgact ccatgagcag gaagatgacc gttgaaatat 600
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<210> 9513
 <211> 633
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-B3

<400> 9513

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cctggtgctc cgcctcaggg gtggcatgca gatttttgtg aagacattga ctggcaagac 240
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caaggagggc attccccag accagcagcg tctgatcttt gcgggcaagc agctggagga 360
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cctcaggggt ggtatgcaga tctttgtgaa gaccctgact ggaaaaacca taaccctgga 480
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<210> 9514

<211> 662

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-B7

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<210> 9515

<211> 663

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C1

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<210> 9516
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-C10
 <400> 9516

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 gccgctgact agctacctag ctgcgtagtt tactcattta gcggcgatga gtaacgtagt 540
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632

<210> 9517

<211> 426

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-C3

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ccacaacaag cgccngcggc gagcggccaa caacaaccaa angcccaann acaacaacaa 180
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gccaaaccac aagcncggc aaacagagaa cgaaaccaac aacaacaacc ancgccacaa 360
ggnacaccag cgcccagnca acaagccaag gagaaccng cccccaccg acaacagcca 420
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<210> 9518

<211> 585

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C5

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cccgagtcaa cgagtgcaca gcaataccgt ctatcgctg catggcatga aagttaacat 480

gcattgcata tgtgtgggga atcatgctgc tcgcttttga cctgattgta ttggaattag 540
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<210> 9519

<211> 228

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-D1

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 tggggaattt tagaccagaa tttggagggga actggaatgg gggacacatg gaagtggaga 180
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<210> 9520

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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 aattgaaatg aaaagaaaaa agtattgttc ccaanaaaaa aaanaaaana aaaannnnnn 600

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654

<210> 9521

<211> 675

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-D2

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<210> 9522

<211> 695

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-D3

<400> 9522

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<210> 9523
 <211> 645
 <212> DNA
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 <223> Clone ID: LIB3061-103-Q1-K6-D6
 <400> 9523

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<210> 9524
 <211> 359
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-D9

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acaaccatc attgggtggtg ccctctttta gatttcttat gagttatagt tcaataataa 300
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<210> 9525

<211> 271

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-E12

<400> 9525

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tctacctgca cgctatgcct aacgctggca ccctcttaca actgcaacaa ttgctgccat 120
tcaaccaact tgctttgaca aaccaacag tgttctacca acaaccatc attgggtggtg 180
ccctctttta gattgcttat gagttatagt tcaataatga agttttttgg atgatgtttg 240
tggcgtccca gaaataagaa agtacatttc t 271

<210> 9526

<211> 566

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-E3

<400> 9526

gtcgaccacg ccgtccggcc gcccttagcg ccaactgcaca gacgcgcaga gacagacatt 60
gcgactttgc gagagacaaa acctcccaga taacgcccgc gcgcctcccc gatggcgctg 120
tcgtgccaga acgtggagat tcccggcaag ccgacggaga cggggacggc gctgctggag 180

acggcgacgg gcaccatcca ggggttcgcg ccgctgagcc agatccacca gcacctgtgc 240
 gcgttccact tctacgcgga cgacatgggg cggcaggtgg aggcgcacca cttctgcgcg 300
 cacctgaacg aggacgtgcg gcagtgcctc atcttcgacg ggcccggcgc cggcgcgcgcg 360
 ctcatcggcg tggagtacat cgtctccgag acggtgttcc tgacgctgcc cgacgccgag 420
 aagccgctgt ggcacacgca cgagttcgag gtgaagggcg gngtgctgtt catgccgggg 480
 gtgcccgcg tggtggagcg ccgggacctg gagaaggtgg caagaactac ggcaagacca 540
 tccattctg gcaggtggac cgcggc 566

<210> 9527
 <211> 698
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-K6-E4
 <400> 9527

ccgggtntga gaccaactag caacatagat ttcacaatag tgtaccaaca atggcagcta 60
 aaatattttg cctccttatg ctcccttggtc tttctgcaag tgctgctacg gcgaccattt 120
 tcccacaatg ctcaacagct cctatagctt cccttcttcc cccgtacctc tcaccaacgg 180
 tgtcttcggt atgtgaaaac ccaattcttc aaccctacag gatccaacag gcaatcgcag 240
 ctggcatctt acctttatca cccttggttc tccaacaatc atcagcccta ttacagcagt 300
 tacctttggt gcatttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc 360
 tagcaaacct tgctgcctac tctcagcaac agcagtttct tccattcaac caactagctg 420
 cattgaactc tgcttcttat ttgcaacaac aacaactacc attcagccag ctatctgctg 480
 cctaccccca gcaatttctt ccattcaacc aactgacagc attgaactct cctgcttatt 540
 tacagcagca acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct 600
 tgacacacca cagttgttgc ctttctacca gcagctgcg cctaacgctg gcacctctt 660
 acaactgcaa caattgctgc cattcaacca acttgctt 698

<210> 9528
 <211> 456
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-103-Q1-K6-E5

<400> 9528

cgccgccacc ttgctggggt cgcaaatcgg ggcgccgagc accgaatctc cgatggccccg 60
cacgaagcag acggcgcgca agncgacggg cggcaaggcg ccccgcaagc agctggccac 120
caaggcggcg cgcaaggcgg cgccggcaac cggcggcgng aagaagcctc accgcttccg 180
cggcggcacc gtcgcgctcc gggagattcg caagtaccag aagagcacgg agctgctcat 240
ccgcaagctg cccttccagc gcctcgtccg tgagatcgcg caggatttca agaccgacct 300
ccgcttccag tcctccgctg tcgccgcgct gcaggaggcc gccgaggcct acctcgtggg 360
gctcttcgag gacaccaacc tttgcgccat ccacgccaag cgcgtcacca tcatgcccac 420
ggacatccag ctgcgcgcc gcacagggg cgagag 456

<210> 9529

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-F2

<400> 9529

cgaaccttgc tgcttacctt cagcaacaac aacaaccatg tgagttatgt ggatctcaac 60
aagctactca aagtgcggtg gcaatcttga cagcagcaca atacctacca tcaatgtgcg 120
gcttgtacca ctcatctac caaaataatc catgcagcag caatgacatt agtgggtgtt 180
gcaattgaag aattgtgtct acctagccgt tatactccta taacggtgtt aagcaataaa 240
gtaccataca ttatgatgtt tgtactatga tatttgaata agaatactaa ttgtaattaa 300
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggaaaaaaag aaataa 356

<210> 9530

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-F3

<400> 9530

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tccaacaatc atcagcccta ttacagcagt tacctttggt gcatttattg gcacaaaaca 120
tcagggcata tcaactacaa caactgggtgc tagcaaacct tgctgcctac tctcagcaac 180
agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat ttgcaacaac 240
aacaactacc attcagccag ctatctgctg cctaccnca gcaatttctt ccattcaacc 300
aactgacagc attgaactct cctgcttatt tacagcagca acaactacta ccattcagcc 360
agctagctgg tgtgagccct gctacctttt tgacac . . . 396

<210> 9531
<211> 510
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-103-Q1-K6-F6
<400> 9531

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tgatgaaggt gaccgtggaa gggagcggcg ccggcccgcc gcgggtcaag aggaggcgga 120
gtggcgcgcc tggcaggcgc cagagcggcg gcgtgagcgt gcggcgggcg gtgcaggtgg 180
acgcggcgac cgcgccagag ccggcgccgc tccagcgtct gcttgccgog tgccgccgog 240
cgttcggagg ccccgggacc gtgccggcg accacgacgt cgtcctcatc agagacatcc 300
tngacaagat gggaccagag gatgtgcacc tgagagccgt caccaaggcc gccgccgctt 360
ccggcgggcc tcgaacgcac cctgttctta tcatcacag aaccaccatt tataaatgca 420
agaacttctn ggtcgggggg ttctgctgc cccaagcgc gaccatnct ttgcacaacc 480
accgggggat gacggtgttc aacaagcttc 510

<210> 9532
<211> 413
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-103-Q1-K6-G1
<400> 9532

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tacccccagc aatttcttcc attcaaccaa ctgacagctt tgaactctcc tgcttattta 120
cagcagcaac aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg 180
acacaaccac aattggtgcc gttctaccag cacgctgcgc ctaacgctgg caccctctta 240
caactgcaac aattgctgcc attcaaccaa cttgctttga caaacccaac agcattctac 300
caacaacca tcattgggtg tgccctcttt tagatttctt atgagttata gttcaataat 360
aaagtttttt gtctgatgtt tgtggcttcc cagaaataag aaagtacatt tct 413

<210> 9533
<211> 656
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-103-Q1-K6-G10
<400> 9533

caagcattat agaaagtgga atccagtagc aacaacagag caacaatggc gaccaagata 60
ttttccctcc ttatgctcct tgctctttct gcatgtgttg ctaacgogac aattttccct 120
caatgctcac aagctcctat agcttccctt cttcccccat accttccatc aatgatagct 180
tcagtatgtg aaaaccagc tcttcagccc tataggctcc aacaagcaat cgcagcaagc 240
aacatacctt tatcaccctt gttgtttcaa caatcgccag cctatctttt ggtgcagtca 300
ttggtacaaa ccatcagggc acagcagctg cagcaactcg tgctacctgt gatcaaccaa 360
gtagctctgg caaacctttc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt cagccagcta 480
gctactgcct actctcagca acaacaactt cttccattta accaattggc cgcactgaac 540
cccgtgctt atttgagca gcaaatacta ctaccattta gccagctagc tgcagcaaac 600
cgtgcttctt tcttgacaca gcaacagttg ctgcctttct accagcagtt tgcggc 656

<210> 9534
<211> 679
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-103-Q1-K6-G11

<400> 9534

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gccaagatat tttccatcct tatgctcctt gctctttctg catgtgttgc taacgcgacc 120
atTTTTcctc aataactcaca agctcctata gctgcccttc tccccccata ccttccatca 180
atgaccgctt cagtttgtga aaaccagcc cttcaaccct acagggtcca acaagcaatc 240
gcaacaagca acttaccttt atcacccctg ttctttcaac aatcgccagc cctatctttg 300
gtgcagtcac ttgtacaaac catcagggca caacagctgc aacaactcgt gctaccagtg 360
atcagccaag tagctctggc aaacctttct cctactctc agcaacaaca atttcttcca 420
ttcaaccaac tgtctacact gaaccctgct gcttatTTac aacaacaaca actactacca 480
ttcagccagc tagctactgc ctactctcag cagcaacaat ttcttccatt taaccaattg 540
gccgcaactga acccctctgc ttatttccag cagcaaatac tactaccatt tggccagcta 600
gtacaacaa gcccacttc ctttttgaac caacaacaat tgcttccggt caccagcagt 660
ttgtggctaa ccccgcaac 679

<210> 9535

<211> 652

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-G12

<400> 9535

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tggtctttct gcaagtgtg ctacggcgac ctttttccg caatgctcgc aagctcctat 120
agcttccctt cttccccgt acctctcacc agcgggtgtc tcggtatgtg aaaaccaat 180
tttcaaccc tacaggatcc aacaggcaat cgcagctggc atcttacctt taccacctt 240
gttctccaa caatcatcag ccctattaca acagttacct ttggtgcatt tattggcaca 300
aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg cctactctca 360
gcaacagcag tttcttccat tcaaccaact aggttcattg aactctgctt cttatttgca 420
acaacaaca ctaccattca gccagctacc tgctgcctac cccagcaat ttcttccatt 480
caaccaacta gcagcattga actctcctgc ttatttacag cagcaacaac tactaccatt 540

catccagcta gctggtgtga gccctgctac cttcttgaca caaccacagg tgttgccgtt 600
ctaccagcac gctatgccta acgctggcac cctcttataa ctgcaacaat tg 652

<210> 9536

<211> 689

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-G3

<400> 9536

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caatggcagc taaaatattt tgctcctta tgctccttgg tctttctgca agtgtctgcta 120
cggcgaccat tttcccacaa tgctcacaag ctctatagc ttcccttctt ccccggtacc 180
tctcaccaac ggtgtcttcg gtatgtgaaa acccaattct tcaacctac aggatccaac 240
aggcaatcgc agctggcatc ttacctttat cacccttggt cctccaacaa tcatcagccc 300
tattacagca gttacctttg gtgcatttat tggcacaaaa catcagggca caacaactac 360
aacaacttgt gctagcaaac ctgtgtgcct actctcagca acagcagttt ctccattca 420
accaactagc tgcattgaac tctgtctctt atttgcaaca acaacaacta ccattcagcc 480
agctatctgc tgcctacccc cagcaatttc ttccattcaa ccaactgaca gcattgaact 540
ctctgtctta tttacagcag caacaactac taccattcag ccagctagcc tgggtgtgagc 600
cctgtctacct tcttgacaca ccacagttgt tgccgttcta ccagcacgct ggcctaacg 660
ctggcacccct cttacaactg caacaattg 689

<210> 9537

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-G5

<400> 9537

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tgagagtgag gtcctgacgg atctgtcatc aatgcacggt ttggttggtg caaccggagg 120
tgggtgcagt atccgaccaa tcaattggag ttacatgaag aaagggtga ccgtatggtt 180

agatgtccca ctggatgcac ttgcaagaag aatcgctgct gtaggaaccg cgtctcgacc 240
 actcttgcac caggaatccg gtgacacctt tgcaaaggct tatgcaaac ttacgtcact 300
 ttttgagcaa agaattgact cgtatgctaa tgctgatgcc agagtttcac ttgaacatat 360
 tgcattaaaa caaggccata atgatgtcac tatacttaca cctagtacca tcgccattga 420
 ggcattgcta aagatggaaa gttttcttac cgagaagacc atggtcagaa actgacctct 480
 tgaatgagag ggaaaggatg ctgacaacat gtggcccttg tttgtttaat tgtacatata 540
 cctttgcatt attgcctaaa ctctttctac agtggtgttg gattattgtt tgtgcagcat 600
 gaaag 605

<210> 9538
 <211> 609
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-G8

 <400> 9538

tcccgggttc ttccccgta cctctcacia cggtgtcttc ggtatgtgaa aaccaattc 60
 ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta tcacccttgt 120
 tctccaaca atcatcagcc ctattacagc agttacctt ggtgcattta ttggcaciaa 180
 acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc tactctcagc 240
 aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct tatttgcaac 300
 aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca 360
 accaactgac agcattgaac tctctgctt atttacagca gcaacaacta ctaccattca 420
 gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg ttgccgttct 480
 accagcacgc tgcgcctaac gctggcacc tcttacaact gcaacaattg ctgccattca 540
 accaacttgc tttgacaaac ccagcagcat tctaccaaca atcccatcat tgggtggtgcc 600
 ctcttttag 609

<210> 9539
 <211> 594
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-H1

<400> 9539

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actagcacgc acctatcaca ctggctctcc atgcattatc cctacgtgcg cttctcgccc 120
ttttggggag tgcaacaaat gcgatcatga tcccacagtg ctcaattgct cccagcgcca 180
tgattacaca catcctccct ccaggtaact caatgggcta cgaacacca gctcgcgcaa 240
gcctataagc tccaacacgc gcttgccgag agcgcttat aacatcctag cgccactga 300
caacagcatt cctcggcaca tgctaaccat acacaccatc gcatccgcag cagcaacacg 360
cactgagcca cctatacgag gtgaacccta tcgactactg gcaacaacag ctgcttgcat 420
acaaccact cgctttggca aacgtagctg catacctaca acaacaacag ttgcaacagt 480
tgctacacac cgctgatgca actacgccat ggtgaaccct atggactacc tacaacatca 540
acaacttggt tcatactatc gccgtcgact tgggcaatgc acctacatac ctgc 594

<210> 9540

<211> 670

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-H11

<400> 9540

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caatggcgac caagatatct tccctcctta tgctccttgc tctttctgca tgtgttgcta 120
acgcgacaat ttccctcaa tgctcacaag ctctatagc ttcccttctt ccccatacc 180
ttccatcaat gatagcttca gtatgtgaaa accagctct tcagccctat aggctccaac 240
aagcaatcgc agcaagcaac atacctttat cacccttggt gtttcaacaa tcgccagccc 300
tatctttggt gcagtcattg gtacaaacca tcagggcaca gcagctgcag caactcgtgc 360
tacctgtgat caaccaagta gctctggcaa acctttctcc ctactctcag caacaacaat 420
ttcttccatt caaccaactg tctacactga acctgctgc ttatttgag caacaactat 480
taccattcag ccagctagct actgcctact ctgagcaaca acaacttctt ccatttaacc 540
aattggccgc actgaacccc gctgcttatt tgcagcagca aataactacta ccatttagcc 600

agctagctgc agcaaaccgt gcttccttct tgacacagca acagttgctg cctttctacc 660
 agcagtttgc 670

<210> 9541

<211> 667

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-H12

<400> 9541

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 ggtgctgata gttgcccttg ctctcctggc gtcgctgcy agcgccgcct ccagtacaag 120
 cggcggtgtt ggctgccaga caccaccgtt tcacttaccg cctccgttct atatgccgcc 180
 tccgttctat ctgccgccgc agcagcagcc gcagccatgg caatacccca ctcaaccacc 240
 gcagctaagc ccgtgccagc agttcggatc ctgcggcgtc ggcagcgctc gcagcccgtt 300
 cctggggccag tgcgtcgagt tcctgaggca ccagtgcagc ccggcgggcga cgccctacgg 360
 ctgcgccacag tgccaggcgc tgcagcagca gtgctgccac cagatcaggc aggtggagcc 420
 gctgcaccgg taccaggcga catacgggtg ggtcctgcag tccttctctc agcagcagcc 480
 gcagggcgag ctgcggcgcc tgatggcgcc ccaggtagcg cagcagctga cggcgatgtg 540
 cggcctgcag ctgcagcagc caggtccctg cccttgcaac gcagctgccg gcggtgtcta 600
 ctactgagga aactatgtac tgtagtaata atgtaatgga gccgctgact agctacctag 660
 ctgccta 667

<210> 9542

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-H2

<400> 9542

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 ctcaactggaa agactatcac cctcgagggg gagtcttctg acaccattga caacgtcaag 120

gccaaagatcc aggacaagga gggcattccc ccggaccagc agcgggtcat cttegctggc 180
 aagcagctcg aggacgggcg cacacttgcc gactacaaca tccagaagga gagcacccctc 240
 caccttggtc tccgcctcag gggaggcatg cagatcttcg tcaagaccct cactggaaag 300
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 gacaaggagg gcatccctcc ggaccagcag cggtcattt ttgctggcaa gcagctcgag 420
 gacgggcgca cgctggccga ctacaacatt cagaaggaga gcaccctcca cttggtgttg 480
 cgtctcaggg gcggcatgca gatatttgtg aagactctga ctggcaagac tatcacccctt 540
 gaggtcgagt cttctgatac catcgacaat gtcaaggcca agatccagga caaggagggc 600
 atcccttcgg accagcagcg gctctttttt gcc 633

<210> 9543
 <211> 494
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-K6-H6

 <400> 9543

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 cctgcaacaa gaattgttgc aacagattgt accagctcta actcagctag ctgtggcaaa 120
 ccctgttgcc tacttgcaac agctgcttcc attcaaccaa ctaactttgt caaactctgc 180
 tgcgtaccta caacagcgac aacagttact taatccattg gcagtggcta acccattggg 240
 cgctaccttc ctgcagcagc aacaacaatt gctgccatac aaccagttct ctttgatgaa 300
 ccctgccttg cagcaaccca tcgttgagg tgccatcttt tagattacat atgagatgta 360
 ctcgacaatg gtgccctcat accgacatgt gtttctaga aataatcaat atattgattg 420
 agatttatct cgataaaaaa aaaanaaaaa aaaaaaana nnannnnnnn nnnnnnnnnn 480
 nnnnnnnntt tttt 494

<210> 9544
 <211> 653
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-H7

<400> 9544

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aacaacaagt tcacatgcaa ccacaaaaac atcagcaaca acaagaagtt catgttcaac 120
aacaacaaca acaaccgcag caccaacaac aacaacaaca acaacagcac caacaacaac 180
atcaatgtga aggccaacaa caacatcacc aacaatcaca aggccatgtg caacaacacg 240
aacagagcca tgagcaacac caaggacaga gccatgagca acaacatcaa caacaattcc 300
agggtcatga caagcaacaa caactacaac aacttgtgct aggaaacctt gctgctact 360
ctcagcaaca gcagtttctt ccattcaacc aactggctgc attgaactct gctgcttatt 420
tgcaacaaca actaccattc agtcagctag ctgctgcta cccccagcaa tttcttccat 480
tcaaccaact ggcagcattg aactctgctg cttatttaca acagcaacag ctaccaccat 540
tcagccagct agctgatgtg agcctgttg cttcttgac acaacaacag ttgttgccgt 600
tctacctgca cgctgcgcct aacgctggca ccctcttaca actgcaacaa ttg 653

<210> 9545

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-H8

<400> 9545

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caggttgtgt acattctgga tcaagtcctg gctttggaga atgagatgct tctgaggatt 120
aagcagcaag gccttgatat cactccgaag atcctcattg ttaccaggct gttgcctgat 180
gctgctggga ctacgtgcgg tcagcggctg gagaaggcca ttggtactga gcacacagac 240
atcattcgcg ttccgttcag aaatgagaat ggcacctcc gcaagtggat ctctcgtttt 300
gatgtctggc catacctgga gacatacact gaggatgttt ccagtgaaat aatgaaagaa 360
atgcaggcca agcctgacct tatcattggc aactacagcg atggcaacct agtcgccact 420
ctgctgcac acaagttggg agtcactcag tgtaccatcg ctcatgcctt ggagaaaacc 480
aaatacccca actcggacat ctacttgga aagttcgaca gccagtacca cttctcttgc 540
cagttcacag ctgaccttat tgccatgaac cacactgatt tcatcatcac cagcacattc 600

caagaaatcg cggaagcaa ggacaccgtg gggcagtacg agt

643

<210> 9546

<211> 665

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A1

<400> 9546

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ctaactccaa aaaccatgaa gctggtgctt gtgggtcttg ctttcattgc tttagtatca 120
agtgtttctt gtacacagac aggcggctgc agctgtggtc aacaacaaag ccatgagcag 180
gaacatcatc cacaacaaca tcatccaca aaacaacaac atcaaccacc accacaacat 240
caccagcagc agcaacacca acaacaacaa gtccacatgc aaccacaaaa acatcagcaa 300
caacaagaag ttcattgtca acaacaacaa caacaaccgc agcaccacca ccaacaacaa 360
caacaacagc accaacaaca acatcaatgt gaaggccaac aacaacatca ccaacaatca 420
caaggccatg tgcaacaaca cgaacagagc catgagcaac accaaggaca gagccatgag 480
caacaacatc aacaacaatt ccagggtcat gacaagcagc aacaaccaca acagcctcag 540
caatatcagc agggccagga aaaatcaca cagcaacaat gtcattgccg ggagcagcaa 600
cagactacaa ggtgcagcta taactactat agcagtagct caaatctaaa aaattgcatg 660
aattc 665

<210> 9547

<211> 209

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-A2

<400> 9547

ccccaaacca aaancnnann nnangnggga nngancaagc anggagagaa ccanaacna 60
cagcncnngc acaagcnggc cngcnggaac cgaaggaggc cgaccccnng aannaaccg 120
ccaaggcaag ccngccccg ccaccnggcc cnnnggcaca aacagaagcn gaacggggga 180

acnnacccan ncnnaaacga annagagca

209

<210> 9548

<211> 687

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A4

<400> 9548

cccggttcga ccatgcgtcc gcgatgaatt caatgatgat caaaatgtca tccacttgat 60
ggctaaatca ttgcttgaga aatttgaaga gaagtggctc cattttcttc cttaaagtga 120
gagtgaggaa aaaagacaaa aggaggagga atcaaagggt gttgcagcca caaatacttc 180
tcgagaagtt gcaattgtgg gattagcaaa agacactgat gatgagatca acaggaagct 240
ggaggagctc cggaatatgg tggttcacag atgcaggaaa atgacgacag atgagaagag 300
gaagctgggt gcaggtatct gtcacttgtc tccagatgat cttagcaagg cgctagagat 360
tgtgcacaa gacaatccta gcttcagac taaagcagaa gaagtggatc ttgatatgga 420
tgcccagagc gagacaactc tatggaggct gaaattcttt gtgagggaag cgctggaacg 480
acaggccaac gttgcctctg ggaagatgga cgaaaacgcc aagagaaaga gggagatatg 540
caatgctctg gccaaaacca cctcgagacg gatcaagaag cagccctagc catcttccat 600
atatttcact cgcgtcctct gattgtttag aagttctttt ttgatacta gccaccagct 660
ttgtgaaacg ttttctgca ttttttt 687

<210> 9549

<211> 636

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A5

<400> 9549

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gatattttcc ctccctatgc tccttgctct ttctacatgt gttgctaacg cgacaatttt 120
ccctcaatgc tcacaagctc ctatagcttc ctttcttccc ccataccttc catcaattat 180
agcttcagta tgtgaaaacc cagctcttca accatatagg cttcaacaag caatcgcagc 240

aagcaacata cctttatcgc ccttgttgtt tcaacaatca ccagccctat ctttgggtgca 300
gtcattggta caaaccatca gggcacaaca gctgcagcaa ctctgtctac ctgtgatcaa 360
ccaagtagct ctggcaaacc ttctcccta ctctcagcaa caacaatttc ttccattcaa 420
ccaactgtct acactgaacc ctgtgtctta tttgcagcaa caactattac catttagcca 480
gctagctact gctactctc agcaacaaca acttcttcca ttttaaccaat tggccgcact 540
gaaccccgct gcttatttgc agcagcaaact actactgccca tttagcgagc tagctgcagc 600
aagtcgtgct tccttcttga cacagcaaca gttgct 636

<210> 9550

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A7

<400> 9550

cgtcgggggt ctgaaccag ccctgtggga tcttgggtcg gcagtcgttc gtcgatgcta 60
tcgcagtggc tgtgtcgtaa ggaggaagat tttgtcatgt tggacactgg cgtggggggc 120
atttccttcg ggaatgtggt cagcccaaag taaagacgac gcgtggtgcc caacgtgaca 180
cactcaatgt caatctgcaa ggatttctgt tgggtgtgct acacttactt caacaagtac 240
ttttgattct ggtgacagaa agactatcat tgacagtggg acacctggca tatcttccga 300
gggaagtata ggactttgtt ggctgcggtt ttgataagta ccaagatctg cccttacata 360
attatcaaga ctctgtgtgt tttcaatttt ctggaagtat agatgatgga tttcccgtaa 420
tcacctctag ttctgaggga gaccttacac tgaatgttta cccagatgat taccttttcc 480
agaacaggaa tgatttatac tgtatgggat tcctggatgg tgggtgtacag actaaagatg 540
ggaaagatat gtcctcttta ggagacctgg tcctctcaaa caaactagta gtttatgact 600
tggaanaaga agtattggat ggacagac 628

<210> 9551

<211> 570

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-A9

<400> 9551

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ccaagagatt atcacactgg ggagccaaga ggattttgggt tcgtggagtt cgttgatgct 120
tatgacgctt ctgaggcaca gtaccacatg aatcgccaga tgtttgctgg gcgtgaáata 180
actgttgtag ttgctgcggg ggcacggaaa aggcctgagg acatgcgtag acaaactgga 240
ccaagagggtt attctggtca tgaaggggcgt cgtccgaatc gtcatgggtgc aggacgggtcc 300
cgtttctggt catactcgcg ttcccgtca ccacgcctc gtggctgtgg tagatcacag 360
tcatactccc ctgccccgaa aaggcgtgat gactactctg cttcccaccc ccgggcaaag 420
gaagagcacc cgagggtcatc aaaacagcct aaagaaaata acagggatag gaggagatcc 480
tatactcctg atgatataaa tgatcgccgt ggtgcagaca atggctgtga tgagaggaag 540
agggtccccag caggcgagga ggatgaggag 570

<210> 9552

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B4

<400> 9552

ccggctcaca ggaaagtgtt cgtcctcatg gcgcgccgc agccgaagtc gggcctcttc 60
gtgggcatca acaagggcca tgctgtcacc aagcgcgagc tgctctgctg cccgtccac 120
cgcaagggga aagcaacgaa gagggtgtcc atggtcaggg gcctgatcag agaggttgct 180
ggctttgctc cttatgagaa gcgtatcacc gagcttctga aggttggtcaa ggacaagcgc 240
gctctgaagc ttgccaaagag aaagcttgga actcacaaga gggcaaagaa gaagagagag 300
gagatgatgg gcgtcctcag gaagatgaga tcggctggta cgcacactga caagaagaaa 360
taaagcattt caagttcatg aatgtggcag ccagagatta tcaactgtgt tttttcccta 420
cctctagaaa ctagacatgg caaagtattt ttgaccgaaa cattgtttgt tagtaatgta 480
ttgaaccacc tcgtggtatt ttgcccc 507

<210> 9553

<211> 671

<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-K6-B8

<400> 9553

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gcatcattgt catctgtttg gatgaacttc tccagaaagg ttatggtttg ggatctggta 120
tttctctgtt cattgctacc aatatcntgt gagaatatca tctggaaggc atttagcccc 180
acaaccatca acagtggtcg tgggtgctgaa ttcgaagggg ctgtcatcgc actgttccat 240
ctgttgatta cgagaaccga taaagtccgt gctcttcgtg aggctttcta ccgccagaac 300
cttccaaatg tgaccaatct gcttgccact gtcttggtat tctctatagt tatctatttc 360
caaggcttcc gtgttggtgt tccagtgaga tcaaagaatg ctctgggcca gcaaggctca 420
tatccaatta agctgttcta cacttcaaac atgcccatca ttcttcactc tgcgctgatt 480
accaacctct attttatata ccagcttctc tacaggaagt acagtggaaa ctctcttgtt 540
aaccttcttg ggaagtggaa ggagtctgaa tactctggcc attctattcc tgttggtggg 600
cttgcttact atgtaactgc cccatcaagt ttggctgatg tccttgcaaa tccattccat 660
gcactgtttt a 671

<210> 9554
<211> 270
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B9

<400> 9554

cagccagtta gctgggtgtga gccctgctac cttcttgaca caaccacagt tgttgccgtt 60
ctaccagcac gctgcgccta acgctggcac cctcttaca ctgcaacaat tgctgccatt 120
caaccaactt gctttgacaa acccagcagc attctaccaa caaccatca ttggtgggtgc 180
cctcttttag atttcttatg agttatagtt caataataaa gttttttgtc tgatgtttgt 240
ggcttcccag aaataagaaa gtacatttct 270

<210> 9555

<211> 465
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C10

<400> 9555

cagcatcttc aatttcttcc attcaaccaa ctatctacac tgaaccctgc tgcttatttg 60
cagcaacaac tattaccatt cagccagcta gctactgcct actctcatca acaacaactt 120
cttccattta accaattggc cgcactgaac ctgctgctt atttgcagca gcaaataatta 180
ctaccattta gccagctagc tgcagcaagc cgtgcttctt tcttgacaca gcaacagttg 240
ctgcctttct accagcagtt tgcggctaac cccgcaaccc tcttacaact acaacaattg 300
ttgccccttg tccaacttgc ttgacaaaac ccagcagcct cctaccaaca acacatcatt 360
ggtggtgccc tcttttagat tgcttattag ttgtaattca ataataaagt tttttggatg 420
atgtatgtgg ccaaccagaa ataagaagtt acatttccag attct 465

<210> 9556
<211> 534
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-K6-C11

<400> 9556

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aacaaaagaa nagngccaaa gnnacagaa ancnccccg nggaggacgc gaacnacccn 120
nacagcgc nancgcgnc ggnccggaac gacnganca aacacggcac cgaccanaaa 180
gggancncc agcccagacc gccaccggag aagaagggcc cggagcnang gnnacacaca 240
gagcncaaaa cnaggaccag cncancacg cncgcanac gcanggacaa ccngnaccnc 300
nggggcnnca ggacccccgg cggggggggg ngggagnncg gcaaggacgg cgacaccac 360
cncncggcg acaaccccag gnggcncggc nncggcggca gggaccagga ccncancggc 420
aacaagggnc nggagaccgn caccangggc cgcgccgaaa ggaccagngc cgncaacgac 480
ccggcgaaga agaagaagaa ggcgacaccg gaggaggagg aggggcagan gcag 534

<210> 9557
<211> 599
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C3

<400> 9557

cttgatttta ctgctagctt cgcccttatt gggcttaact ctgctctaata tacaatgat 60
tagctgctgg agctctataa gtagatgcag ctctaacttc ctgaccgaca aatctgctgc 120
tttctcttca atccttcaaa gctaggaact aactgaaaca aactctgaag aagacgaaaa 180
caactactg aactcgaacc aacttgaaac aaactcagtc acttggtgat gatagttgtt 240
tcttgcatca cagatcacac ttggtctatg tcggtgaaag gatccacatc agtgggtatta 300
ttttttgtat agactataga gtatatttga gattcttaac ttgagaaatt aactgatgat 360
gactgatcct tcctcggcaa ggtcattagt aggaggtcag catgtttaac tccaatacct 420
aatttgagaa gggagcaagc aactcaactc tgggctaata ggggttgatc tcttggcaca 480
tttatgttga caagagattg ttaggaact aggaacatga ggagcacacg agggtagaga 540
tggcaggtaa gaggaggggg tacagtagtg caatgaccaa caatgcaact gtgatggag 599

<210> 9558
<211> 622
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C5

<400> 9558

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ctagcctacc atggctgac accaccgggg cgcgacggga ggtggcgggg gctacggcga 120
cctccagcgc gggggcggca tgcacggcga ggcgcagcag cagcagaagc agggcgccat 180
gatgacggcg ctcaaggccg cgacggccgc gaccttcggc gggtcgatgc tgggtgctgc 240
cgggctgac ctggccggca ccgtgatgc gtcacggtg gccacccccc tgctgggtgat 300
cttcagcccc gtgctgggtgc cggccgccat cgcgctggcg ctcatgggcg gccgggttcg 360
tcacctccgg cggcctcggc gtcgctgcgc tgctcgtgtt ctctggatg tacaagtacc 420
tgacgggcaa gcaccgccc ggcgccgacc agctggacca cccaaggca aggctggcgt 480

ccaaggcccg cgacatcaag gatgcagcac agcaccgaat cgaccaggcg caggggtctt 540
gagagaagaa cacactcgag cggaccgcgc gcgcgacctc cttgaaccac tgccggcgcg 600
gcggcatatg gcccttaaag gc 622

<210> 9559
<211> 662
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-104-Q1-K6-C6
<400> 9559

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ccaccaccac aacatcacca gcagcagcaa caccaacaac aacaagttca catgcaacca 120
caaaaacatc agcaacaaca agaagttcat gttcaacaac aacaacaaca accgcagcac 180
caccaccaac aacaacaaca acagcaccaa caacaacatc aatgtgaagg ccaacaacaa 240
catcaccaac aatcacaagg ccatgtgcaa caacacgaac agagccatga gcaacaccaa 300
ggacagagcc atgagcaaca acatcaacaa caattccagg gtcattgaaa gcagcaacaa 360
ccacaacagc ctgagcaata tcagcagggc caggaaaaat cacaacagca acaatgtcat 420
tgccaggagc agcaacagac tacaaggtgc agctataact actatagcag tagctcaaat 480
ctaaaaaatt gtcattgaatt cctaaggcag cagtgcagcc ctttggtaat gccttttttc 540
caatcacgtt tgatacaacc aagtagctgc caggtattgc agcaacaatg ttgtcatgat 600
cttaggcaga ttgagccaca atacattcac caagcaatct acatcatggg tcaatccata 660
at 662

<210> 9560
<211> 659
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-104-Q1-K6-C9
<400> 9560

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cacaagctcc tatagcttcc cttcttcccc catacctctc accagecgggtg tcttcagtat 180
gtgaaaaccc aattcttcaa ccctacagga tccaacagge aatcgagca ggcattctac 240
ctttatcacc cttgttcttc caacaaccgt cagccctatt acagcagtta cctttggtgc 300
atttgttggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ctaccattca gccaaactagc tgttgtctac cccagcaat 480
ttcttccatt caaccaacta gcaacattga actctgctgc ttatttaca cagcaacagc 540
taccaccatt caaccagcta gctgatgtga gccctgctgc cttcttgaca caacaatagt 600
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<210> 9561
<211> 663
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-K6-D1
<400> 9561

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gagttgcaact ttctgtttgc acattgcctg ggcaaataac ttctgatcgt ctaggtccaa 180
ggcaaataga gcttggcctt ggaattcatg gagaacctgg agttgctggt gttgaactcc 240
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gcattgctgt tgacagagcc tacactggca cacttatgac atcacttgat atggcaggat 480
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aagctccagc ttggcctggt ggttctgaag gaaaccgtcc accagcaaag ttttctgttc 600
ctctaccacc atcaccttca atgaaggatg acgagattct tgctccatct cangagctga 660
gca 663

<210> 9562
 <211> 640
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D10

<400> 9562

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 cctggtatgg tagtcacctt tgggtccaaact ggcctgacta ccgaggtgaa gtctgttgag 120
 atgcaccacg aggcaattca ggaggctctt ccgggtgaca atgttggctt caacgtgaag 180
 aatgttgctg tcaaggatct caagcgtggg tttgtggcct ccaactccaa ggatgaccct 240
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 ggcaacggct atgcccctgt gctggactgc cacacctccc acatcgctgt caagtttgct 360
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 ctgaagaacg gtgatgctgg tatggtgaag atgataccca ccaagcccat ggtggtggag 480
 acattctcag cgtatcctcc ccttggtagg tttgctgtcc gtgacatgag gcagacggtt 540
 gctgttgag tatcaagagt gtggagaaga aggaccaac cggcgccaat gtgaccaatg 600
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<210> 9563
 <211> 471
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-K6-D11

<400> 9563

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 cagccccgna nnngacgggg ggggcccnca cgccagccnc gnggcncgcg nacagggagn 180
 cgcnaaccag angggcgacg ngcgccagnn gnacaccgnc gngnncagg agaggccgcn 240
 caagggcncc acgncgncna ccgaaggcgc gangacagaa gggncagacg agngggcgan 300
 cnacggngga accggagngn ncgcgaaggc gagaggcgnc anaaggagaa cgnnnncngc 360

cgacacgagc ggcgggaacc ccgacgagcn ngccngggag gnnncnccgcc cgggggggccg 420
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<210> 9564

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D12

<400> 9564

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cacaagctcc tatagcttcc cttcttcccc cgtacctctc accagcggtg tcttcggtat 180
gtgaaaaccc aattcttcaa ccctatagga tccaacaggc aatcgcagct ggcacattac 240
ctttatcacc ctgttctctc caacaatcat cagccctatt acagcagtta cctttggtgc 300
atattattggc aaaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcctactc tcagcaacaa cagtttcttc cattcaacca actagctgca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcagccagct atctgctgcc tacccccagc 480
aatttcttcc attcaaccaa ctgacagctt tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctgctggtg tgagccctgc taccttcttg acacaaccac 600
aattgttgcc gttctaccag cacgctgcgc ctaacgctgg caccctctta caactg 656

<210> 9565

<211> 214

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D9

<400> 9565

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acaaccttct acataattgc ccctgttggt tctacactaa tctatgcgga gagggagcta 120
cggcagtaga gatgagctga tgtatgtcga ttgatctta accaaacctc tgttttaagc 180
ttcggcgggg gaggaaaaaa aaaaattttg gagg 214

<210> 9566
 <211> 380
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-K6-E1

<400> 9566

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 cagnccnnc tgcagcagca gccgcagggc gagcncgcgg cgctganggc ggcccaggna 120
 ggcgagcagc ngacggcgan gngcggcctg cagctgcagc agccaggnc cggcccngc 180
 aacgcagcng ccggcggggg cgacnacnga ggaaaccang nacngnagna anaangnaan 240
 ggagccgcng actagcnacc nagnncgna gnnnacncaa aaagcggcga ngagnaacgn 300
 agngncaccc aacaccangg gnggcagn gnagcaangac cngaangaac canngaaang 360
 gaaaggaana acananaagg 380

<210> 9567
 <211> 654
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-104-Q1-K6-E10

<400> 9567

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 ctaccaagat attagccctc cttgcgcttc ttgccctttt agtgagcgca acaaatgcgt 120
 tcattattcc acagtgtca cttgctccta gtgccattat tccacagttc ctcccaccag 180
 ttacttcaat gggttcgaa catccagccg tgcaagccta caggctacaa ctagcgcttg 240
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 ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcca tcaactgagcc 360
 acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
 ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag tttatgccag 480
 tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcatctagcc 540

cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
cagctctgac tcagctagct gtggcaaacc ctgctgccta cttacaacag ttgc 654

<210> 9568
<211> 417
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-K6-E11
<400> 9568

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nncgaacacc cagcagngca agccnacagg cnacaacaag cgcnnngggc gagcgncnna 180
caacaaccaa nngcccaann acaacaacaa nccnnggcac ancnaaccan acaaaccanc 240
gcaacgcaac agcaacaaca annncnacca gcacngagcc aacnagcngn ggngaaccn 300
gncgcnacn ngcaacagca gnnngcnngca nccaaccac nngcncnggc aaacaaagnn 360
gcanaccaac aacaacaaca anngcaacag nnncaaccag cgcncagnca accagcc 417

<210> 9569
<211> 400
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-104-Q1-K6-E12
<400> 9569

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ttatttgcag cagcaaatac tactgccatt tagcgagcta gctgcagcaa gtcgtgcttc 180
cttcttgaca cagcaacagt tgctgccttt ctacaagcag tttgcggcta accccgcaac 240
cctcttacia ctacaacaat tgttgccctt tgtccaactt gctttgacaa acccagcagc 300
ctcctaccaa caacacatca ttggtggtgc cctcttttag attgattatt agttgtaatt 360
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<210> 9570
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E3

<400> 9570

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cccacaatgc tcacaagcta gtatagctac cttgcttccg ccatacctct cactatcagt 180
gtcgggagtg tgtgaaaacc caatttttga accatacaag atccaacagg caatcgcaac 240
aagcatctta cttttatcac ccttgatcct gcaacacccg acagccctat tacaccaaac 300
acctttggtg catttggttg cacataacat cgaggcgcaa caactacaac aactattgct 360
aggaaacca gctgctctac tctcagcaac ag 392
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<210> 9571
 <211> 656
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E5

<400> 9571

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atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg tgaaaacca 180
attcttcaac cctacaggat ccaacaggca atcacagctg gcatcttacc tttatcacc 240
ttgttctctc aacaatcatc agccctatta catcagttac ctttggtgca tttattggca 300
caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc tgcctactct 360
cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg 420
caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca atttcttcca 480
ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca actactacca 540
ttcagccagc tagctgggtg gagccctgct accttcttga tacaaccaca gttggtgccc 600
ttctaccagc acgctgcgcc taacgctggc acctcttacc aactgcaaca attgct 656
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<210> 9572
<211> 659
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E7

<400> 9572

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ctgcagaagg atcctccac ctcttgacgc gcaggccctg ttgccgaaga tatgttctac 180
tggcaggcga cgattatggg gccatcagat agcccatagc ctggtggcgt atttttggtc 240
actattcact ttccaccgga ctaccattc aaaccaccga aggttgcatt caagacgaag 300
gtttaccatc cgaatatcaa cagcaacggg agcatctgtc ttgatattct gaaggagcaa 360
tggagccctg cactgacagt ttctaaggtc ctctctcaa tttgttccct tctgacggac 420
ccaaaccctg acgatccgtt ggtcccagag attgctcact tgtacaagac tgatcgctg 480
aagtacgaat cgactgctag gagctggact cagaaatatg caatgggctg acaagctatt 540
ggtctctcgt agacctaaag cacgtactgc cttctgtaac tgaaaccaga tgtctaaatt 600
aatttgtcca ttcgtgcac gaacttttga tatataatgg aaggaggaac attgatagt 659

<210> 9573
<211> 505
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F11

<400> 9573

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ccctactgct cgcctcagtgc ccagtcgttg cggcagcagt gttgccagca gctcaggcag 180
gtggagccgc agcaccggtg ccaggcgatc ttcggcttgg tctccagtc catcctgcag 240
cagcagccgc aaagcggcca ggtcgcgggg ctgttggcgg cgcagatagc gcagcaactg 300
acggcgatgt gcggcctgca gcagccgact ccatgccctt acgctgctgc cggcggtgtc 360

ccccactgaa gaaactatgt gctgtagtat agccgctggc tagctagcta gttgagtcac 420
 ttagcggcga tgattgagta ataatgtgtc acgcatcacc atgggtggca gtgtcagtg 480
 gagcaatgac ctgaatgaac aattg 505

<210> 9574

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F6

<400> 9574

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 gctggcacc ctttacaact gcaacaattg ctgccattca accaacttgc tttgacaaac 180
 ccagcagtggt tctaccaaca acctatcatt ggtggtgccc tcttttagat ttcttatgag 240
 ttatagttca ataataaagt tttttatctg atgtttgtgg cttcccagaa ataagaaagt 300
 acatttctag attcttatgt gcttctagtc ttcaaatgtg gttgatagtt attgttgggg 360
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<210> 9575

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-G11

<400> 9575

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 caattttccc tcaatgctca caagctccta tagcttccct tcttccccca taccttccat 180
 caatgatagc ttcagtatgt gaaaaccag ctcttcaacc ctataggctc caacaagcaa 240
 tcgcagcaag caacatacct ttatcacctc tgtttcaaca atcgccagcc ctatctttgg 300
 tgcagtcatt ggtacaaacc atcaaggcac agcagctgca gcaactcgtg ctacctgtga 360
 tcaaccaagt agctctggca aacctttctc cctactatca gcaacaacaa tttcttccat 420

tcaaccaact atctacactg aacctgctg cttatttgca gcaacaacta ttaccattca 480
gccagctagc tactgcctac tctcatcaac aacaacttct tccatttaac caattggccg 540
cactgaacct cgctgcttat ttgcagcagc aaatattact accatttagc cagctagctg 600
cagcaagccg tgcttccttc ttgacacagc aacagttgct gcctttctac cagcagtttg 660
c 661

<210> 9576

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-G2

<400> 9576

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gcncnnggn cnnncngcaa gagcagcnac ggcgaccann nccccgaaa gcncgcaagc 120
nccnanagcn ncccnnncnc ccccgcnacn cncaccagcg ggggcggggg gangngaaaa 180
cccaanncnn caaccnaca gganccaaca ggcaancgca gcnggcancn naccnnnanc 240
accnngnnc cccaacaan cancagccn annacaacag nnaccnngg ngcannnann 300
ggcacaaaac aacagggcac aacaaccaca acaacnngng cnagcaaac 349

<210> 9577

<211> 665

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-G4

<400> 9577

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tcagaaataa cagccctcga gttgaaagta gcatgcttga accagcaagt ccgtacctgc 120
cagacatata cggacaaaga aggcctcagg caacagcaga tgatgggggc tgccagaaga 180
gaccataacc attacatcgt accatatgcy ggaacaaaa gaatgcaggc cttctctgtt 240
acgcaagccg atgctgattt cgacccaacy ccaaggcctt tctcttcagc aaggaccctt 300

gagtggcatt tggtttccga gaagaattcc aaaaccagta gaccagatca gtctgaaatt 360
gccttaggag aaacaaaaac tactaaggct tcgtcaagtg gtttccgcct tctcggtaag 420
gaatcatctg catctccctt gtccaggaat gtgcattcca acataaccag tttggatatt 480
gtcagtgccg gcatgaagga tcagccacg accaggcact tgtcatcatt cagttctttg 540
gacaacccca gggggcgcca aatccagaag gtcgcgttc gcacaaaaag tatgctagcc 600
gttttctttg tctacacaga tcagcanaga tgaaaaacgt ctctgtgcgt tgatcaactg 660
caagc 665

<210> 9578
<211> 523
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-104-Q1-K6-G5
<400> 9578

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ctgagttctga tccttttttg cattaataaa tgtgttgttc ttggatcaca aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
gggggggggaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaagggg gggggccctt ttaaaaaaac aaagtttact tccccgggat tgaaagttaa 300
aagttttttt ttagggcacc caaaaaaaaaa ttaacgggcc gggtttttaa aattggggaa 360
cggaaaaaac cctggcttac ccaaattaaa tggcttgaa aaaaatcccc tttttccaag 420
tggggaaaaa aaaaaaaagg cccaacaaa tcccctttca aaaaattggc ccatcctaaa 480
tggaattggg aacccccctt ttagggcca ataaagccgg ggg 523

<210> 9579
<211> 677
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-K6-H11
<400> 9579

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 agatgagcca ggaccaggag aacggaggca ccaacgggca gcacgccgcc gacgtgatgg 180
 aggtggagcc gaagcgccgg gcgcccgggc tgaacgagcg catcctgtcg tcgctgtcgc 240
 ggaggtccgt cgccgcgcac ccctggcacg acctcgagat cggtcctgaa gctccggccg 300
 ttttcaacgt cgtcgtggag atcaccaagg ggagcaaggt gaagtacgag ctggacaaga 360
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 acggcttcgt gccccggacg ctctgcgagg acaacgacct catggacgtc ctctgtctca 480
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 tgatagatca gggagagaag gacgacaaga tcatcgccgt ctgcgccgac gaccccgagt 600
 accgccacta caacgacatc agcgagctct cccctcaccg ncttcaggag atccgccggt 660
 tcttcgaaga ctacaag 677

<210> 9580

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H3

<400> 9580

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 cacaatgctc acttgctcct agttccatta ttccacagtt cctcccacca gttacttcag 180
 tggccttcga acaccagct gtgcaagcct ataggctaca acaagcgatt gcggcgagcg 240
 tcttacaaca accaattgcc caattgcaac aacaatcctt ggcacatcta acaatacaaa 300
 ccatcgcaac gcaacagcaa caacagttcc taccagcact gagccaccta gccatggtga 360
 accctgtcgc ctacttgcaa cagcagctgc ttgcatccaa cccacttgct ctagcaaacg 420
 tagttgcaaa ccagcaaaaa caacaactgc aacagtttct gccagcgctt agtcaactag 480
 ccatggtgaa ccctgccgcc tacctacaac agcaacaact gctttcatct agcccgctcg 540
 ctgtggccaa tgcacctaca tacctgcaac aagaattggt gcaacagatt gtaccagctc 600

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646

<210> 9581

<211> 672

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H5

<400> 9581

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ctaccaagat attagccctc cttgcgcttc ttgccctttt agtgagcgca acaaatgcgt 120
tcattattcc acagtgtcga cttgctccta gtgccattat tccacagttc ctcccaccag 180
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cggcgagcgc cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcca tcaactgagcc 360
acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag tttatgccag 480
tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcacttagcc 540
cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
cagctctgac tcagctagct gtggcaaacc ctgctgcta cttacaacag ttgcttccat 660
tcaaccaact gg 672

<210> 9582

<211> 188

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-H8

<400> 9582

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gcngngggcg aggagggcga gcngggcngn nccagcggca ccaaggacga cgccgacgcc 120
gacngccagc gcgcgcagca gcagcagcan ggccgncacc accaccaacc caggcagggc 180
ggcggggcc 188

<210> 9583
 <211> 671
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-104-Q1-K6-H9

 <400> 9583

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gcctctccgt ccccatcgcc gcgcagatgg atccgtcgtc ggagcccctg tacgcgcagg  180
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cgtcgccccg caacaggagg ttctttgacc cgcagttcta caggatcggt ctgtttgacc  360
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aggatgaaag g                                                    671
  
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<210> 9584
 <211> 292
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-A10

 <400> 9584

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gngnncnaag agaaagagnn ncncaaaaga gagaaaagna aacaaaagggn gnancnngaa  180
gaagnncagg angagccagn gggacaagaa acaacaagng angccaangn agcagaacaa  240
  
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gnngagacgn ccanggcaag agaancacca ccacaaccac gaaggncagc aa

292

<210> 9585

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-A2

<400> 9585

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gtttctgagg catcagtgcg gcccagcggc gacgccttac tgctcgcttc agtgccaggc 180
gttgccgagc cagtgttgcc agcagctcaa gcaggtggag ccgcagcacc ggtaccaggc 240
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tgtcacgcat caccatgggt ggcagtgta gtgtgagcaa tgacctgaat gaacaattga 540
aatgaaaaga aaaaagtatt gttcc 565

<210> 9586

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-A3

<400> 9586

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tcgcaattcg cgcgtccgtc gcccgaactc caacgagcaa gtgattgagg accctggtgt 180
tcaacaggta gaagttgctg aggaggagct cattgaaggt ggtccaagag gagccttaca 240
acgaggagtt cgagcttata taggtggcgt ctcccagta gcttgatggc gccaaaggaat 300
aatacttagt tcgttttatt attcttattc atttttgtaa gacttccgct atgtaataat 360

gatatttgtg acatttatct ctatacactt tatcggt

397

<210> 9587

<211> 263

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-A4

<400> 9587

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acaacaacaa caacaginnnc ngccancacn gagccacca gccgnggnga accccggcac 180

ccaccngcaa cagcagcngc cggcaaccaa cccaccngcc ccggccaacc naaccgcaga 240

cccgaacaa caacagccgc aac 263

<210> 9588

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B2

<400> 9588

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ggtgactggt aaaaaattcg tgatttatgg tgcattgtatc atggagttag tgatttaact 180

tgtttgatgc atattaagta gttttaaatg gtttataaat agtatacggg tgtaaaaatg 240

gaaaatgttg ttctagtgtc ttatatacat gttgtagtgg cctaataaaa gtttaacatgg 300

ctatgcattc aaaaaaata tttagtttta gatttaactt gtcgtcatat gccttattgc 360

attaacaatt tatcattttt gtaataatta atatataaaa cctgataatg taaaatttgt 420

acatttgtca tgacttggtt ttacctatac tttatgaaaa tcacagcccc aaattagata 480

gcctcatatg gtgctaaact aatactcatt ctaaaataat acctactcta ttaagaacat 540

aatgtgggca tctcgtgcta ctatgacttc accctttacg ctgccactct gggcc 595

<210> 9589
 <211> 673
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B3

<400> 9589

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cataatgtga tggaatttct aattcttgct ggcgatcacc tgtaccggat ggactatgaa  180
aagttcattc aggcacacag agaaacaaat gctgatatta ccgttgctgc cctaccgatg  240
gatgagaaac gtgcaactgc atttggcctc atgaaaattg atgaagaagg gaggatcatt  300
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gttttcagca aagatgtaat gcttcagctc ctccgtgaac aatttcctga agccaatgac  480
tttgggaagtg aggttattcc aggtgcaacc agcattggaa agaggggttca ggcttatctg  540
tatgatgggt actgggaaga tatcggtacc attgcggcat tttataatgc aaacttggga  600
ataaccaaga agccaatacc agatttcagc ttctatgacc gttttgctcc aatttataca  660
caacctcgac acc                                                    673
  
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<210> 9590
 <211> 650
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B5

<400> 9590

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tcattattcc acagtgtctc cttgctccta gtgccattat tccacagttc ctcccaccag  180
ttacttcaat gggcttgcga catccagccg tgcaagccta caggctacaa ctagcgcttg  240
cggcgagcgc cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa  300
  
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ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcc tcaactgagcc 360
acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag tttatgccag 480
tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcacttagcc 540
cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
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<210> 9591

<211> 666

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B7

<400> 9591

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gacaattttc cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc 180
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tgtgatcaac caagtagctc tggcaaacc tttctcctac tctcagcaac aacaatttct 420
tccattcaac caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc 480
attcagccag ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt 540
ggccgcactg aaccccgctg cttatttgca gcagcaaata ctactacat ttagccagct 600
agctgcagca tacogtgctt cttcttgac acagcaacag ttgctgcctt tctaccagca 660
gtttgc 666

<210> 9592

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B8

<400> 9592

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acgtcgagaa agcgctcgcc cggccgcagc cgcagcttgc ggcagatgtg gtcgagcttg 120
gcttcctggg cctgcgccag gttcatgccc ggctcgcggt aataggcgca ggaatagacc 180
cggcgcggat ccagccacag ggggtagaaa tcgtcggaca ggtcgtaatg gaattcgatc 240
tggcggggcgt cgcgctccac cgagtgcgc caccgcgaca tcacctgcg caccagctcg 300
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<210> 9593

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B9

<400> 9593

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ggcgagatgg tgaagagaag caagaagagc aagagcaagc gcgtcacgct gcggcagaag 120
cacaagggtc tgcgcaaggt gaaggagcac caccgcaaga agcgcaagga ggccaagaag 180
gagggcaagg ccggccagcg gaagaaggtc gagaaggacc ccgggatccc caacgagtgg 240
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ctcgagctca agaaggaggc gcgcaaggag agggctcgga agaggaagct aggattgctc 360
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gcaaaggatg cagcaaagga taaagctcct ttaacagtgg caaagagcaa tgatcattct 480
gagagatctt tctacaagga gcttggttaa gtaatcgaag cttctgatgt gattcttgag 540
gttcttgatg caagagatcc gctgggcacc cgttgcattg acatggaaaa gatgggttagg 600
aaggctgatc caagtaaacg gattgtacta cttctcaaca agatagatc 649

<210> 9594

<211> 623

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-C10

<400> 9594

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ggaggccatg aacgccgcgc tgcggatgcc ggaggccgag cagcggctgc ggcacgagga 180
gcactacaag tacgtgagca cccacgacgt cgcctactgg gcgcggctct tcgactcgga 240
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gagtttcaag gtggtggccc ttggcccgaa ttccggcgcc ctctccgtgg agcacattgt 360
cccgtcgtat cggaggacgg ataaccggct gattctcttg gactacgacg gcaccgtgat 420
gccggagaac tccatcgaca ggacgccgag cagtgaggtc atctctgggt tgaatcgtct 480
gtgcgaggac cccaagaaca gagtgttcat cgtaagcgga ccggggaagg acgagctgag 540
caggtgggtc gccccctgcg agaagttggg catcgccgcg gggcaccggt acctcacaag 600
ggggagcagg gacgcgcat ggg 623

<210> 9595

<211> 664

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-C11

<400> 9595

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ccagcccagc ccagcccagc cagggggagg ggatgtcgcc ggcgccagcg gcgggagggc 120
agggtggcgg gggcattgac gccgcgctcc tcgacgacat catccgccgc ctgctcgagg 180
tgcggaccgc gcgccaggg aagcagggtc agctctctga gtcggagatc cgccagctgt 240
gcaccgtctc ccgcgccatc ttcctcagcc agcccaacct cctcgagctc gaggcgcca 300
tcaagatctg cggtgacatc catggtcaat acagtgatct tctaaggctt tttgaatatg 360
gaggttttcc tcctgaagcc aattatctat tcttaggtga ttatgttgat cgaggcaaac 420
aaagtttgga gactatatgc cttcttcttg cttacaaaat caagtaccct gagaactttt 480
ttcttctgag gggcaatcat gaatgtgcct caataaacag aatatatgga ttttatgatg 540
aatgcaagcg tcgatttaat gtgcggctat ggaaggtctt cacagaatgt tttaacactc 600

tacctgtggc tgctcttata gatgataaaa tattatgtat gcaagggtgga ctctctcccg 660
atct 664

<210> 9596

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-C2

<400> 9596

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cgacaacagt tacttaatcc attggcagtg gctaaccat tggtcgctac cttcctgcag 180
cagcaacaac aattgctgcc atacaaccag ttctctttga tgaaccctgc cttgcagcaa 240
cccatcgttg gaggtgccat cttttagatt acatatgaga tgtactcgac aatgggtgcc 300
tcataccgac atgtgtttcc tagaaataat caatatattg attgagattt atctcgnnnn 360
anaaaannnnn nnnnnnnnnn nnnnnnnnnt nnnnngg 397

<210> 9597

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-C3

<400> 9597

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tactgcaaat tctgggagct ggatgcagac cacgattttt tgattgataa ggaaaatctc 120
atcaaatatg ggaaccattc gttgacctat agaatagttg atagaatttt cgcacagatc 180
ccaaggaaat tcacaagcat gacagaagga aagatgggtt atgaagactt tgtttacttt 240
atattatcag aggaagacaa atcatctgag cctagtcttg aatattgggt taagtgcac 300
gatcttgatg gtaatggat tttaactttc aatgaaatgc aattttttcta cgaggagcaa 360
ttgcaccgaa tggagtgcac ggcacaagag cctgtgcttt ttctggacat attatgccag 420

atgattgata tgattggacc agagaatgag agctatntaa ctctacggga cttaaacggt 480
 gtaaactctc aggaacatat tcaatattct tttcaatctc aacaagttca tggcatttga 540
 aactcgtgat ccattcctca ttcgccagga acgtgaaaat ccaactctaa ctgagtggga 600
 accggtttgc acatag 616

<210> 9598
 <211> 550
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-K6-C4
 <400> 9598

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 agcggcggct gcggctgccca gccaccgccg ccggttcacg taccgccgcc ggtgcatctg 180
 ccacctccgg ttcacctgcg cgggtgcggtg catctccac ccgccgtcca cctgccgccg 240
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 tgccactacc ctactcaacc gccccggcct cagcctcacc ccagccaca cccatgcccc 360
 tgccaacagc cgcacccaag cccgtgccag ctgcagggaa cctgcggcgt tggcagcacc 420
 ccgacccctg gccagtcgt cgagttcctg aggcacagc gcagcccgac ggcgacgcc 480
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 ggagccgcag 550

<210> 9599
 <211> 662
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-K6-C9
 <400> 9599

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ggtgtgctcc aagattgcga ggccttaag gaattggtgt tgtccacga tgctatcttc 240
 ttgttgaccg acacaagaga aagcaggtgg cttccaactc tcctatgcac taacgaaaac 300
 aagattgcta tcaactgcagc attagggat gatagttacc ttgtcatgcg acatggggct 360
 ggccctggca taagctgtga agcttcaggt gtggtcactg ccatagacaa gatgtccacg 420
 gaggatgcc ttgggcgtca aaggctgggg tgttatttct gcaatgacgt cattgctcct 480
 gtgcactcag tttccaatcg gacactggat caacaatgta cagtgcacg accgggggtg 540
 gcctctattg catcaggacg cgctgcagac ctcttcagaa gaatgttaca ccctcctgat 600
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 cc 662

<210> 9600
 <211> 683
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-D1

 <400> 9600

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 gagtgccatt attccacagt tctccctcc agttacttca atgggcttcg aacaccagc 180
 tgtgcaagcc tataggctac aacaagcgt tgcggcgagc gtcttagaac aaccaattgc 240
 ccaattacaa caacaatcct tggcacatct aaccatacaa accatcgcaa cgcagcagca 300
 acaagcactg agccacctag ccgtggtgaa ccctatcgcc tacttgcaac aacagctgct 360
 tgcattcaac ccacttgctt tggcaaactg agctgcatac caacaacaac aacagttgca 420
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 gcaacaactt ctttcatcta gccgctcgc tatgggcaat gcacctacat acctgcaaca 540
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<210> 9601
 <211> 605
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-D10

 <400> 9601

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aaaagcgnc annannccac aaagcncacn agcnccgaga gccannann cagagnnccn 180
cccnccagnn accccaggag ggggggaaca cccagcngng caagccnana ggcnacaca 240
agcgcnnngc gcgagcgnc nagaacaacc aanngccaa nnacaacaac aancnnagc 300
acancnaacc anacaaacca ncgcaacgca gcagcaaca gcacngagcc accnagccgn 360
ggngaaccn ancgccnacn ngcaacaaca gcngcnngca nccaaccac nngcnnggc 420
aaacgnagcn gcanaccaac aacaacaaca gnnngaacag nnnngccag cgcncagnca 480
acnagccaag gngaaccna ncgcnaccc acaacagcaa caacnnnnn caacnagccc 540
gcncgcnang ggcaaggcac ccacanaccc gcaacaacag nngnngcaac aacagnngcn 600
gcaac 605
  
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<210> 9602
 <211> 640
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-105-Q1-K6-D2

 <400> 9602

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atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg tgaaaacca 180
attcttcaac cctacaggtt ggaacaggca atcacagctg gcatcttacc tttatcacc 240
ttgttcctcc aacaatcatc agcctatta catcagttac ctttggtgca tttattggca 300
caaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc tgcctactct 360
  
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cagcaacagc agttttcttcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg 420
 caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca atttcttcca 480
 ttcaaccaac tggcagcatt gaactctcct gcttattttac agcagcaaca actactacca 540
 ttcagccagc tagctggtgt gagccctgct tcccttttga tacaaccaca gttggtggcg 600
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<210> 9603

<211> 339

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-D6

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 agggggggtg tggggccccc ccccccccn naaaaaaaaa aaaaaaaaa aaaaaaata 240
 attttttttt tttttttttt nngggggggg ggtngggggg gggggggggg nnnttgtttt 300
 tttttttttt tttttttnt ncccccccc cccccct 339

<210> 9604

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E10

<400> 9604

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 agtggttctt gtacacagac aggcggctgc agctgtggtc aacatcaaag ccatgagcag 180
 caacatcatc cacaacaaca tcatccacaa aaacaacaac atcaaccacc accacaacat 240
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caacaagaag ttcatgttca acaacaacaa caacaaccgc agcaccaaca acaacaacat 360
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 caatatcagc agggccagga aaaatcacia cagcaacaat gtcattggca ggagcagcaa 600
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<210> 9605
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-K6-E11
 <400> 9605

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 ctgacgacta cttgcagcag 380

<210> 9606
 <211> 563
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-E12
 <400> 9606

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 nnnacccaca aagcncacia gcnccnanag ccacnaacn acccncaaac cacacaccag 180

cggagacnac agnaggggag gacccaannc cncaaccna cagganccaa caggcaancg 240
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 ngccaggaaa cccggccgcc caccacagc aacagcaggg gccagcaagc aaccaaccgg 420
 ccgcaaagaa ccccgngac gaagagcaac aacaaccgac cagcagacag caagcngcng 480
 cccaccccca gcaaggggag ccagacaacc aaccggcagc aaagaacgag gccgccnaag 540
 gacaacagaa acaggaacca cca 563

<210> 9607

<211> 676

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E4

<400> 9607

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 cccgcaatgc tcacaagctc ctatagcttc ccttcttccc ccgtacctct caccagcggc 180
 gtcttcggta tgtgaaaacc caattcttca accctacagg atccaacagg caatcgagc 240
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 acagcagcaa caactactac cattcagcca gctagctggc gtgagccctg ctaccttctt 600
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<210> 9608

<211> 662

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E6

<400> 9608

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gccgggcggc gggggcggcg acgtggaact cgtcagcaag acgctgcagt tcgagcacia 180
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attgtatgtc ctaccaaacc atccaaatca gcaacacttg gagccgccag agcgtcttcc 600
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<210> 9609

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F10

<400> 9609

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cgcagcaagc aacatacctt tategccctt gttgtttcaa caatcaccaa ccctatctta 300
ggtgcagaca ttggaacaaa ccatcagggc acaacagctg cagcaactcg tgctacctgt 360
gatcaaccaa gtaactctgg caaacctttc tacctactct aagcaacaac aatttcttcc 420
attcaaccaa ctgactacac tgaaccctgc tgcttattag caacaacaac tataaccata 480

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503

<210> 9610

<211> 493

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F3

<400> 9610

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<210> 9611

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F4

<400> 9611

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gccgtccaga ccgcgcgaat gagcatttcg tattttttta aaaatatata tcagtcgctg 240
gtttcgtgcg ttccagaaat tctcctgcgg gttgcgtgta gctgatgcgt aattccctga 300
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ccaccgattc gattgattcg tcactttaag aacatgatcc ggttagaaca gcaagatatg 420

ataaatcgat ttgaatccaa atctgaccat ctgggtcggc ttggttgccct gcaggtctac 480
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<210> 9612

<211> 677

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F5

<400> 9612

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 gtacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa ctagcgcttg 240
 cggcgagcgc cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
 ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcca tcaactgagcc 360
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 cgctcgggtt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
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<210> 9613

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F8

<400> 9613

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 acaagctcct atagcttccc ttcttcccc atacctctca ccagcgggtgt cttcaatgtg 180
 tgaaacccca attgttcaac cctacaggat ccaacaggca atcgcaacag gcattcttacc 240
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 actaccattc agccagctag ctgatgtgag cctgctgcc ttcttgacac aacaacagtt 600
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<210> 9614

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F9

<400> 9614

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 tccacagtgc tcaattgctc ctagtgccat tattccacag ttccctccac cagttacttg 180
 gagtgggctt cgaacatcca gccgtgcaag cctacaggct acaactagcg cttgcggcga 240
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 ccgtggtgaa ccctgtcacc tacttgcaac agcagctgct tgcattgcaac ccacttgctc 420
 tggcggacgt atctgcatac catcaacaac aacagctgca acagtatatg ccagtgtcga 480
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 ggggtgggca atgcacctac tttcc 565

<210> 9615

<211> 665

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-K6-G1
 <400> 9615

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aatgctcact tgctcctagt gccattattc cacagttcct cccaccagtt acttcaatgg 180
gcttcgaaca cctagctgtg caagccaaca tgcaacaaca agcgcttgcg gcgagcgtct 240
tacaacaacc aattgcccaa ttgcaacaac aatccttgcc acatctaaaca atacaagcca 300
tcacaacgca acagcaacaa cagttcctac cagcactgag ccacctagcc atgggtgaacc 360
ctgccgccta cttgcaagag cagctgcttg catccaaccc acttgctctg gcgaacgtag 420
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tggtgaaccc tgccgcctac gtacaacaac aacaactgct ttcactctagc ccgctcgctg 540
tgggcaatgc acctacatac ctgcaacaac aattgttgca acagattgta ccagctctga 600
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tgact 665
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<210> 9616
 <211> 683
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 9616

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gcggggctgc agggcttgta cggcgctggc gccggcctga cgacgatgat gggcgccggc 180
gggctgtacc cctacgcgga gtacctgagg cagccgcagt gcagcccgtt ggcggcggcg 240
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tgccagcagc agatgaggat gatggacgtg cagtccgtcg cgcagcagct gcagatgatg 360
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aacatgccgg ccatgggtgg actctaccag taccagctgc ccagctaccg caccaacccc 540
tgtggcgtct ccgctgccat tccgccctac tactgattca tgatatntgg gaaatctnct 600
ctatccatct ctctctatct atatatgtaa taatgcagna agacgacaca cattatcatg 660
tgtggtatga ccaataatat atg, 683

<210> 9617
<211> 658
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-K6-G12

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gaggggtgatg ggattgacag gttggaaaaa ttaagtattg ggggcagaaa gcaggagaaa 180
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<210> 9618
<211> 650
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-K6-G5
<400> 9618

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 gtgtcttcgg tatgtgaaaa cccaattctt caacctaca ggatccaaca ggcaatcgca 240
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<210> 9619

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-G6

<400> 9619

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<210> 9620
 <211> 485
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-G8

<400> 9620

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tggcagcaac ccatcgttgg aggtgccatc ttttagatta catatgagat gtaatcgata 420
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<210> 9621
 <211> 611
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H10

<400> 9621

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ttgcaaacca gcaacaacaa cagctacaac agtttctgcc aacgctcatt caactagcca 480
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tggtgaaccc tgccgtctac gtacaacaac aacaactgct ttcattctagc ccgctcgcgtg 540
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<210> 9622

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H11.

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<210> 9623

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H2

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<210> 9624

<211> 311

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H3

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<210> 9625

<211> 592

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H6

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<210> 9626

<211> 162

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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aaaaaaaaa aaanaaaaaa agaggaaaaa aaaaaaaagg aaaaagaaaaa aaaagggaaa 120
gaaaggaaaa agaggggaaga aggagaaaaa naagggagga ag 162

<210> 9627

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-A1

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641

<210> 9628

<211> 623

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-K6-A11

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ctctactatt attccacaat gtcacaaca atacctctct ccggtgacag ccgcgggatt 180

tcaacaccca actatggggg ggtgcatgct acatgaggcc atcatancaa gcatcttacg 240

gtcattagca ttaaccctcc aacagccata tgccctattg caacaaccat ccttagtgca 300

tctgtatctc caaagaatcg cgacacaaca actacaacaa cagttgctac caacaatcaa 360

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ccaacttgct gggagccctg atgccttctt actgcaacaa cagcttctgc cattccatct 540

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<210> 9629

<211> 663

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-A2

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 ctg 663

<210> 9630
 <211> 660
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-K6-A4

 <400> 9630

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 tcttatgagt tatagttcaa taataaagtt ttttgtctga tgtttgtggc ttcccagaaa 600
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<210> 9631
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 <212> DNA
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<223> Clone ID: LIB3061-106-Q1-K6-A7

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<210> 9632

<211> 662

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-B10

<400> 9632

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agttttcacc agtatgggta aaactattgg gtacaagatc gggacgatga ttgagattcc 180
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tcattgtgctt gtctgagggt gcctctgctc gttggcagcc ggatcgctg ctgttggtgc 600
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gc 662

<210> 9633
<211> 691
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-B6
<400> 9633

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ccacaatgct cacttgcctc aagttccatt attacacagt tctcccacc agttacttca 180
atgggcttcg aacaccagc ggtgcaagcc tataggctac aacaagcaat tgcggcgagc 240
gtcttacaac aaccaatttc ccagttgcaa caacaatcct tggcacatct aacaatacaa 300
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gctgtggcca atgcacctac atacctgcaa caacaattgt tgcaacagat tgtaccagct 600
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<210> 9634
<211> 669
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-B8
<400> 9634

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tagtgccatt attccacagt tctccctcc agttacttca atgggcttcg aacacccagc 180
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 atacctgcaa caacagttgc tgcaacagat tgtaccagct ctgactcagc tagctgtggc 600
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<210> 9635

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-B9

<400> 9635

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 agtgctcact tgctcctagt gccattatc cacagtctct cccaccagtt acttcaatgg 180
 gcttcgaaca tccagccgtg caagcctaca ggctacaact agcgcttgcg gcgagcgct 240
 tacaacaacc aattgcccac ttgcaacaac aatccttggc acatctaacc ctacaaacca 300
 ttgcaacgca acaacaacaa caacaacagt ttctgccatc actgagccac ctagccgtgg 360
 tgaacctgt cacctacttg caacagcagc tgcttgcatc caaccactt gctctggcga 420
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 tagccatggt gaacctgcc gtctacctac aactacttcc atctagcccg ctgcgggtgg 540
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<210> 9636
 <211> 658
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-C6

<400> 9636

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aagcagcaac aaccacaaca gcctcagcaa tatcagcagg gccaggaaaa atcacaacag   180
cggcaatgtc attgccagga gcagcaacag actacaaggt gcagctataa ctactatagc   240
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tggtgtcatg atcttaggca gattgagcca caatacatte accaagcaat ctacaacatg   420
gttcaatcca taatccagga ggagcaacaa caacaaccat gtgagttatg tggatctcaa   480
caagctactc aaagtgcggt ggcaatcttg acagcagcac aatacctacc atcaatgtgc   540
ggcttgtacc actcatacta ccaaaataat ccatgcagca gcaatgacat tagtgggtgtt   600
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<210> 9637
 <211> 157
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 9637

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tncaacaacc gtcagcccta ttacagcagt tacctttt                               157
  
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<210> 9638
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-D12

<400> 9638

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acacatcatt ggtggtgccc tcttttagat tgattattag ttgtaattca ataataaagt 180
tttttggatg atgtatgtgg ccaaccagaa ataagaagtt acatttccag atactaaaaa 240
aaaaaaaaaa aaaaaataaa taaaaaata aaaaaaaaaa aataaaaaaa aaaaaaaaag 300
aattttaatt tgtttttaaa taaaactttt ttttttatat tttttttttt 350

<210> 9639

<211> 677

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-K6-D2

<400> 9639

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caagggtgtg cctccaaag attgcggcct ttgcgtncac tggagcatcc tgccaccacc 600
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<210> 9640

<211> 650

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D4
 <400> 9640

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 caatgtctcac aagctcctat agcttccctt cttcccccat accttccatc aatgatagcg 180
 ggagtatgtg aaaaccagc tcttcaacc tataggctcc aacaagcaat cgcagcaagc 240
 aacatacctt tatcaccctt gtttcaacaa tcgccagccc tatctttggg gcagtcattg 300
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 gcttccttct tgacacagca acagttgctg ctttctacc agcagtttgc 650

<210> 9641
 <211> 661
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D7
 <400> 9641

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ttccattcaa ccaactggca gcattgaact ctctgctta ttacagcag caacaactac 540
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tgccgttcta ccagcacgct ggcctaacg ctggcaccct cttacaactg caacaattgc 660
t 661

<210> 9642
<211> 191
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-E11
<400> 9642

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cagtgtgagc aatgacctga atgaaccatt gaaatggaaa ggaataatat ataggggggg 180
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<211> 614
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 <223> Clone ID: LIB3061-106-Q1-K6-E3
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<210> 9645
 <211> 659
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-E6
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<210> 9646

<211> 688

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-E8

<400> 9646

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<210> 9647

<211> 654
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 <223> Clone ID: LIB3061-106-Q1-K6-F12

 <400> 9647

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<210> 9648
 <211> 625
 <212> DNA
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 <223> Clone ID: LIB3061-106-Q1-K6-F9

 <400> 9648

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<210> 9649

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-G1

<400> 9649

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<210> 9650

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-G10

<400> 9650

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 atataaaaaat acctactgat atcgtctgcc taggggtgaac cgggtgaagcg atgcctagct 360
 gcggcattgg taatctgtca agcagtgacc aaaacaagca gcaatccccg ccgtcgtgaa 420
 acgccgccgt gtgccatgtc gatttaggct atccagcttg ctgccttgct cacctgcttt 480
 cctgagtatc tgtgttcac c aattgcgaat tacccttctc tcgattccga cctcctcggg 540
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<210> 9651
 <211> 542
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-G6
 <400> 9651

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 acaagcggcg gctgcggctg ccagccaccg ccgcgggttc atctaccgcc gccgggtggag 180
 cgggcacctc cggttcacct gccacctaca gtgcatctcc caccgcgggt ccacctgccg 240
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 ccatgccact acctactca accgccccgg cctcagctc atccccagcc acacctatgc 360
 ccgtgccaac agccgcatcc aagcccgtgc cagctgcagg gaacctgcgg cgttggcagc 420
 accccgatcc tgggccagtgc cgtcaggttc ctgaggcatc agtgcagccc gacggcgacg 480
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 gt 542

<210> 9652
 <211> 444
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-G8

<400> 9652

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actgacagca ttgaactctc ctgcttattt acagcagcaa caactactac cattcagcca 180
gctagctggg gtgagccctg ctaccttctt gacacaacca cagtgtgtgc cgttctacca 240
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acttgctttg acaaaccag cagcattcta ccaacaaccc atcattgggtg gtgccctctt 360
ttagatttct tatgagttat agttcaataa taaagttttt tgtctgatgt ttgtggcttc 420
ccagaaataa gaaagtacat ttct 444

<210> 9653

<211> 507

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-K6-G9

<400> 9653

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ggncacccca agcaaccaan aaccgaangg aaccngcca gcgatagatt aacaacaaca 120
actaccattt cagacagtta actgactgcc taccacagc aatttcttcc attcaaacca 180
actggcagca ttgaactctt cctgcttatt tacagcagca acaactacta ccattcatcc 240
agctagctgg ngtgagccct gctaccttct tgatacaacc acagttgttg ncgttctacc 300
agcacgctgc gcctaacgct ggcaccctct tacaactgca acaattgctg ccattcaacc 360
aacttgcttg acaaaccag cagagttcta ccaacaaccc atcattgggtg gtgccctttt 420
aagatttcta atgagttata gatcaataat aaaggtntn gaccgatatt tgtggcttcc 480
agaaataaga aagtacattt tagattc 507

<210> 9654

<211> 621

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-K6-H5

<400> 9654

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tgcaagcgcc actatgtgcy acccatattc cagggcactt gccaccagtc atgccattgg 180
gtaccatgaa cccatgcatg cagtactgcy gggggcaaca ggggcttgcc agcttgatgg 240
cgtgtccgtc cctgatgctg cagcaactgt tggccttacc gcttcagacg atgccagtga 300
tgatgccaca gatgatgacg cctaacatga tgtcaccatt gatgatgccg agcatgatgt 360
caccaatggt cttgccgagc atgatgtcgc aaatgatgat gccacaatgt cactgcygacg 420
ccgtctcgca gattatgctg caacagcagt taccattcat gttcaacca atggccatga 480
cgattccacc catgtttctta cagcaaccct ttgttggtgc tgcattctag atagaaatat 540
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<210> 9655
 <211> 189
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-K6-H8

<400> 9655

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ccgacgcgta aagcgcgccg gtttcgccga agtacggatg cgcgacccgg taggccaccc 120
agggcagcag caggttgacg aagagttcga ggatcagtcg ggctcgcggn ttcacggntc 180
gccattcca 189

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<210> 9656
 <211> 631
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-062-Q1-K6-A3

<400> 9656

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aaggaattta atgcatatcc tgctggctct tggtttaatt tcagtaaaat tgcacagtac 180
aaacaattga cactggagga ggctgaagaa aagatgaata agaggaagac cagtgcaact 240
ggttatgaac gctggatgat gaaagcagcg gcaaattggac cagctgcctt tggttcagac 300
atgaagaagc ttgaggccac aaatgggtgg gaaaaagaaa gtgctcgtcc taagaaagga 360
aaaaataatg aagagggtaa taattctgat aagggtgagg aggatgaaga agaggaagca 420
acacgcaaga atagacttgg actaactaaa aaggcatgg atgatgatga ggaaggtgga 480
aaagatctag atttcgattt ggatgatgaa attgagaaag gtgatgactg ggagcatgaa 540
gaaacattca ctgacgatga tgaggctgta gacattgatc cagaagaacg ggcagatnta 600
gctcctgaaa tttctgctcc acctgaaatc a 631

<210> 9657

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-A4

<400> 9657

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aggcacgcgc aaggtaattt aatgcatatc ctgctggctc tcggtttaat ttcagttaaa 120
ctgctcagta caaacaattg aactggcag gaggcgtgaa gccaaagatg aatcagagga 180
agaccagtgc aactggttat gaacgctgga tgatgaaagc agcggcaata tggaccagct 240
gcctttggtt cacacatgaa taagcttggt gccacaaatg gtggggaaaa agaaagtgt 300
cgtcctaaga aaggaaaaaa taatgaacag ggtaataatt ccgataaggg tgaggaggct 360
gacgaagagg aagcaacacg caagaataga cttgggctaa ctcaaaaggg catggatgat 420
gatgaggaat gtggaaaaca ctacatttcg attcggatga tgaaattgac gaaatgtgat 480

gactgggagc ctgaagaaac attcactgac gatgatgagg ctgcagacat tgttcccaga 540
gaacgggcac atttagctcc ctgaaattcc t 571

<210> 9658

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-A8

<400> 9658

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cttgctcttt ctgcatgtgt tgctaacgag accatttttc ctcaatactc acaagctcct 120
atagctgccc ttcttcccc atacctcca tcaatgaccg cttcagtttg tgaaaaccca 180
gcccttcaac cctacaggct ccaacaagca atcgcaaca gcaacttacc tttatcacc 240
ctgtttcttc aacaatcgcc agccctatct ttggtgcagt cattggtaca aaccatcagg 300
gcacaacagc tgcaacaact cgtgctacca gtgatcagcc aagtagctct ggcaaacctt 360
tctccctact ctgagcaaca acaatttctt ccattcaacc aactgtctac actgaaccct 420
gctgcttatt tacaacaaca acaactacta ccattcagcc agctagctac tgccctactct 480
cagcagcaac aattttcttc atttaaccaa ttggccgcac tgaacccctc tgcttatttc 540
cagcagcaaa tactactacc atttggccag ctgactac 578

<210> 9659

<211> 508

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-B2

<400> 9659

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tctttctaca tgtgttgcta acgagacaat tttccctcaa tgctcacaag ctccatagc 120
ttcccttctt ccccatatcc ttccatcaat tatagcttga gtatgtgaaa acccagctct 180
tcaaccatat aggcttcaac aagcaatcgc agcaagcaac atacctttat cgccttgggt 240
gtttcaacaa tcaccagccc tatctttggg gcagtcattg gtacaaacca tcagggcaca 300

acagctgcag caactcgtgc tacctgtgat caaccaagta gctctggcaa acctttctcc 360
ctactctcag caacaacaat ttcttccatt caaccaactg tctacactga accctgctgc 420
ttatttgcag caacaactat taccatttag cccgctagct actgccctac tctcagcaac 480
aaccaacttc ttccatttaa ccaattgg 508

<210> 9660

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-B3

<400> 9660

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cttcagcctt ataggctcca acaagcaatc gcagcaagca acataccttt atcacccttg 180
gtggttcaac aatcgccagc cctatctttg gtgcagtcac tggtaaaac catcagggca 240
cagcagctgc agcaactcgt gctacctgtg atcaaccaag tagctctggc aaacctttct 300
ccctactctc agcaacaaca atttcttcca ttcaaccaac tgtctacact gaaccctgct 360
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caacaacttc ttccatttaa ccaattggcc gcactgaacc ccgctgctta tttgcagcag 480
caaatactac taccatttag ccagctagct gcagcaaacc gtgcttctt cttgacacag 540
caacagttgc tgcccttcta ccagcagttt ggggtaacc ccgcaacct cttacaacta 600
caacaattgt tgcccttctt 620

<210> 9661

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-062-Q1-K6-C3

<400> 9661

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gatcgacacc atgagggtgt tgctcgttgc cctcgtctc ctggctctcg ctgcgagcgc 120

cacctccacg catacaagcg gcggctgcgg ctgccagcca ccgccgccgg ttcattctacc 180
gccgccgggtg catctgccac ctccggttca cctgccacct ccggtgcata tcccaccgcc 240
ggteccacctg ccgccgccgg tccacctgcc accgccggtc catgtgccgc cgccggttca 300
tctgccgccg ccacctatgcc actaccctac tcaaccgccc cggcctcagc ctcattcccca 360
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gcagctcagg caggtggagc cgcagcaccg gtaccaggcg atcttcggct tggtcctcca 600
gtccatcctg cagcagcagc cgcaaagcgg ccaggtcgcg gggc 644

<210> 9662
<211> 64
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-062-Q1-K6-D1

<400> 9662
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gggg 64

<210> 9663
<211> 522
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-062-Q1-K6-D6

<400> 9663
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agctagctac tgcctactct cagcaacaac aacttcttcc atttaaccaa ttggccgcac 120
tgaacccgc tgcttatttg cagcagcaaa tactactacc atttagccag ctagctgcag 180
caaaccgtgc ttccttcttg acacagcaac agttgctgcc tttctaccag cagtttgagg 240
ctaacccgc aaccctctta caactacaac aattgttgcc ctttgtccaa cttgctttga 300

cagacccagc ggcctcctac caacaacaca tcattggtgg tgccctcttt tagattgctt 360
 attagttgta attcaataat aaagtttttt ggatgatgta tgtggccaac cagaaataag 420
 aagttacatt tccaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
 aaaaaaaaaa aaaaaaaaaa anaaaaaaaa aaaaaaana na 522

<210> 9664

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-D8

<400> 9664

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 ttttccccca tacctctcac cagcgggtgc ttcagtatgt gaaaacccaa ttcttcaacc 180
 ctacaggatc caacaggcaa tcgcagcagg catcttacct ttatcacccct tgttccctcca 240
 acaaccgtca gccctattac agcagttacc tttggtgcat ttgttggcac aaaacatcaa 300
 ggcacaacaa ctacaacaac ttgtgctagg aaaccttgct gcctactctc agcaacagca 360
 gtttcttcca ttcaaccaac tggctgcatt gaactctgct gcttatttgc aacaacaact 420
 accattcagt cagctagctg ctgcctaccc ccagcaattt cttccattca accaactggc 480
 agcattgaac tctgctgctt atttacaaca gcaacagcta ccaccattca gccagctagc 540
 tgatgtgagc cctggtgcct tcttgacaca acaacagttg ttgccgttct acctgcacgc 600
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<210> 9665

<211> 615

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-D9

<400> 9665

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ttattccaca atgctcacia caatacctct ctccggtgac agccgcggga tttcaacacc 180
 caactataca atcctacatg ctacatgagg ccatcgtagc aagcatctta cggtcattag 240
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 tccaaagaat cgcgacacia caactacaac aacagttgct accaacaatc aatcaagtag 360
 ttgcagcgaa ccttgctgct tatctccagc aacaacaatt tcttccattc aatcaactag 420
 ctgggggtgaa ccttgctgct tacttgtagc cacaacaact actaccattt aaccaacttg 480
 tggggagccc tgatgccttc ttactgcaac aacagcttct gccattccat ctgcaagctg 540
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<210> 9666
 <211> 593
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-062-Q1-K6-E12
 <400> 9666

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 aaaccttgct gcatactctc agcaacatca gtttcttcca ttcaaccaac tgggggggtg 180
 gaactctgct gcttatttgc aacaacaatt accattcagc cagctagttg ctgcctaccc 240
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 gcaacaacta ctaccattca gccagctagc tgatgtgagc cctgctgcct tcttgacaca 360
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 gcaacaattg ctgccattca accaacttgc tttgacaaac ccaacagtgt totaccaaca 480
 acccatcatt ggtgggtgcc tcttttagat tgcttatgag ttatagttca ataataaggt 540
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<210> 9667
 <211> 112
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-F1

<400> 9667

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aatattttctg tcttccttca gactctttga tactttgctg caagtgattg ct . 112

<210> 9668

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-F12

<400> 9668

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tactttctgac aagattgagg cactattcga tttaattaag gggctgataa aggatatgga 180
tggagctcaa gatgatgagc ttgatgaaga agactttaag gaggaacaaa actctgtagc 240
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tgtacagaag catatacttc agggaggccc caagcgtcta actttcactg tgccttcggt 360
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ggaggatgtt cctgcaactc caaagaaaat attccagata ttgcatcaga ctattgaagc 480
actttcttgt gttccttctc cagagttagc tctgagacta tattttgcagt gtgcagaggc 540
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atatg 605

<210> 9669

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-F2

<400> 9669

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caacagttgc ttccattcaa ccaactggct gtgtcaaact ctgctgcgta cctacaacag 180
cgacaacagt tacttaatcc attggcagtg gctaaccatc ttgctgctac cttcctgcag 240
cagcaacaac aattgctgcc atacaaccag ttctctttga tgaacctgc cttgcagcaa 300
cccatcggtg gaggtgccat cttttagatt acatatgaga tgtactcgac aatgggtgcc 360
tcataccgac atgtgtttcc tagaaataat caatatattg attgagattt 410

<210> 9670
<211> 486
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-062-Q1-K6-G1
<400> 9670

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ccattaataa caactgagta cactgtaccc tgcagaaaat aagcagggcc aactgttata 120
aaggaccaag ctaacttccg cctacttgca acatcatcaa ttttttatat tgaacaacaa 180
gtccaatcta gtagccgctg cttacaagca gcagcaaaga ctactgccat tcagcgagct 240
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gcttgccggt aaccccgcaa cctctttaca actacaacaa ttgttgacct ttgttcaact 360
tgctttgaca aaccagcag cctgctacca acaacacatc attggcgggtg cctgttttta 420
gatcgtttat tacttgtaat tcaataataa acttttttgg atgatgtatg tggccaacca 480
gaaata 486

<210> 9671
<211> 413
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-062-Q1-K6-G10
<400> 9671

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aatcttggca agtctcggga acgtatagga aagtttaatc tctgtatatt gccttatgat 180
atcaaacatg gctagaccgg gaatggatct atacatgatg acgggcatag ctagcaagct 240
tacttcaagg ttccttaaaa aattttggtt cacctttatt tgatatgggg aaagacatga 300
gagggtgtac agctttttcc tgaagcttgc agaaccccc tctgtaccat gatcaatata 360
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<210> 9672

<211> 617

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-062-Q1-K6-G3

<400> 9672

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ctctatagc ttccttctt ccccatacc tctcaccagc ggtgtcttca atgtgtgaaa 180
accaattgt tcaacctac aggatccaac aggcaatgc aacaggcatc ttaccattat 240
cacccttggt cctccaacaa ccgtcagccc tattacagca gttacctttg gtccatttgg 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat 360
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atttgaaca acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc 480
cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 540
cattcagcca gctagctgat gtgagccctg ctgccttctt gacacaacaa cagttgttgc 600
cgttctacct gcacgct 617

<210> 9673

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-062-Q1-K6-G4

<400> 9673

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ctgctcgccg ccaccttctt cgccgcctcc gctaacgagc aagccaaggc ggccaaagag 180
gagaagaagg tggaggtcca agactggcac ggcggcggcg gctacccggg tcacggcggc 240
ggcggcggcg gcggctaccc gcactgccgg tggggctgct gcaaccgagg gtaccatggc 300
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gtcgaggtcc acaactaaat agtatacggg tacgtatgcc ccgatgggaa tgaatgggaa 420
gcaagagcac acgcgtagta cgctcgtcgt agtagtcaat aaaagtttgg ttccatcacc 480
gtcatgaaat aaaagtaagg aggttgcacg ctttgtgtgc gtgcttggaa acgtcgactg 540
tatctcatgc atcgaataaa tagatgttaa tgaatatcat tgggacaact ttttacggaa 600
cataaaatca 610

<210> 9674
<211> 565
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-062-Q1-K6-H11
<400> 9674

caatggcgac caagatattt tccctcctta tgctccttgc tctttctaca tgtgttgcta 60
acgcgacaat tttccctcaa tgctcacaag ctctatagc ttcccttctt ccccatacc 120
ttccatcaat tataggtggg gggggggaaa actcatctct tcaaccatat aggcttcaac 180
aagcaatcgc agcaagcaac atacctttat cgcccttggt gtttcaacaa tcaccagccc 240
tatctttggt gcagtcattg gtacaaacca tcagggcaca acagctgcag caactcgtgc 300
tacctgtgat caaccaagta gctctggcaa acccttctcc ctactctcag caacaacaat 360
ttcttccatt caaccaactg tctacactga accctgctgc ttatttgcag caacaactat 420
taccatttag ccagctagct actgcctact ctgagcaaca acaacttctt ccatttaacc 480
aattggccgc actgaacccc gctgcttatt tgcagcagca aatactactg ccatttagcg 540
agctagctgc agcaagtcgt gcttc 565

<210> 9675

<211> 641
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-062-Q1-K6-H3

<400> 9675

aacccccggtc gaccacagcgt tcgttcgcnc atcctacttt cgtcctcacg agtgaccgat 60
aatccgccgg cgctaagatg ttggtttatc aagatctcct atctggcgac gagctcctgt 120
cggattcatt cacctacaag gagctcgaga acggcgtcct gtgggagggtc gagggaaagt 180
gggtcaccca aggtcctggt gatgtagaca ttggtgcca tccatccgcc gaggggtggtg 240
aggacgaaag cgttgatgac acagccgtga aggtggttga tattgttgac acattccgtc 300
tacaggagca acctcctttt gacaagaaat catttgtctc ttacattaaa aaatacatca 360
agaatctcac tgctgtgttg gagccagaga aagcggatga gttcaaaaag ggtgtcgagg 420
gtgcaaccaa gtttctcctt agcaagctga aggaccttca attttttgtt ggtgagagca 480
tgaaggatga tgcgtccgtg gtattcgctt attacaagga tgggtgccact aatccgacat 540
tcctctatct ctctcatggt ctttaaggaga tcaagtgcga ggcttgccgc gagattagtt 600
acccatgttg ggtactatct atgtactatt gttatatcca c 641

<210> 9676
<211> 598
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-063-Q1-K6-A10

<400> 9676

gngacttcag naacacacca agcgagacac attagcaaca acctaacaac aatgggtacc 60
aaggaattat cctccttgc gcttcttgcg ctttttgca gcgcaacaaa tgcgttcatt 120
attccacaat gctcacttgc tccaagttcc attattacac agttcctccc accagttact 180
tcaatgggct tcgaacaccc agctgtgcaa gcctataggc tacaacaagc aattgcccgc 240
agcgtcttac aacaaccaat ttcccagttg caacaacaat ccttggcaca tctaacaata 300
caaaccatcg caacgcaaca gcaacaacaa ttctaccag cactgagcca cctagccatg 360

gtgaaccctg cgcctactt gcaacagcag ttgcttgcat caaaccact tgctctggca 420
aacgtagttg caaaccagcc acaacaacag ctgcaacagt ttctgccagc gctcagtcaa 480
ctagccatgg tgaaccctgc cgcctaccta caacagcaac aactgctttc atctagcccg 540
ctcgctgtgg ccaatgcacc tacatacctg caacaacaat tggtgcaaca gattgtac 598

<210> 9677

<211> 622

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-A2

<400> 9677

agcacatata tgcacaatat gtaccaacaa tggcagccaa aaattttgcc tccttatgct 60
ccttgggtctt tctgcaagtg ctgctacggc gaccattttc ccgcaatgct cgcaagctcc 120
tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcgggtat gtgaaaaccc 180
aattcttcaa ccctacagga tccaacaggc aatcgcagct ggcattcttac ctttatcacc 240
cttggttcctc caacaatcat cagccctatt acaacagtta cctttgggtgc atttattggc 300
acaaaacatc agggcacaac aactacaaca acttggtgcta gcaaaccctg ctgcctactc 360
tcagcaacag cagtttcttc cattcaacca actaggttca ttgaactctg cttcttattt 420
gcaacaacaa caactaccat tcagccagct acctgctgcc tacccccagc aatttcttcc 480
attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac aactactacc 540
attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac agttgttgcc 600
gttctaccag cacgttgccg ca 622

<210> 9678

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-A3

<400> 9678

cccgggtcgt acccaagccg tttttgtcaa gcaacattat ttagtagnaa ccattagca 60
acaatagagc aacaatggcg accaagatat tttccctcct tatgctcctt gctctttcta 120

catgtgttgc taacgcgaca attttccttc aatgctcaca agtcctata gtttccttc 180
 ttccccata ccttccatca attatagctt cagtatgtga aaaccagct cttcaaccat 240
 ataggcttca acaagcaatc gcagcaagca acataccttt atcgcccttg ttgtttcaac 300
 aatcaccagc cctatctttg gtgcagtcac tggtagaaac catcagggca caacagctgc 360
 agcaactcgt gctacctgtg atcaaccaag tagctctggc aaacctttct ccctactctc 420
 agcaacaaca atttcttcca ttcaaccaac tgtctacact gaacctgtgt gcttatttgc 480
 agcaacaact attaccattt agccagctag ctactgccta ctctcagcaa caacaacttc 540
 ttccatttaa ccaattggcc gcactgaacc ccgtgtctta ttgagcagc caaatactac 600
 tgccatttag cgagctagct gcagcaagtc gtgct 635

<210> 9679
 <211> 505
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-063-Q1-K6-B3
 <400> 9679

cacaacaact acaacaactt gtgctagcaa accttgctgc ctactctcag caacagcagt 60
 ttcttccatt caaccaacta ggttcattga actctgcttc ttatttgcaa caacaacaac 120
 taccattcag ccagctacct gctgcctacc ccagcaatt tcttccattc aaccaactag 180
 cagcattgaa ctctcctgct tatttacagc agcaacaact actaccattc agccagctag 240
 ctggtgtgag cctgctacc ttcttgacac aaccacagtt gttgccgttc taccagcagc 300
 ttgcgcctaa cgtggtgacc ctcttacaac tgcaacaatt gctgccattc aaccaacttg 360
 ctttgacaaa ccagcagtg ttctaccaac aacctatcat tgggtggtgcc ctcttttaga 420
 tttcttatga gttatagttc aataataaag ttttttatct gatgtttgtg gcttcccaga 480
 aataagaaag tacatttcta gattc 505

<210> 9680
 <211> 614
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-063-Q1-K6-B9

<400> 9680

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aataaagtct cttgagcttg atggattcaa aattggcagc agatacatga gggttgaaag 120
gtgcaggggtg acggccacct caaacaagaa gaggaaggca gagttcgaaa ccgaccccaa 180
gaagtccgaa ggctgcctct cggcatatgt tggcaacctc tcatggaacg tggacgaaaa 240
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aagaaccggg ggttcccgtg gcttctgcca tgtcgaatth caagacgacg agtcgctcga 360
gaaggccata gcgatgaacc agtcgaaact gcagggcagg cctgtcaaag tggcgtattc 420
agtcagcaac cggggctgaa gagcgccgcc ccgtcgccag cggttatagt accagtgaac 480
ttgtagtgtt atggtttccg ctccttcagt ttcggttagg ctttacgggtg tggctaccag 540
cagtaccagt gtgagcttgt agtgagacgg tttcgctccc tcagttttgg ctttaagcttt 600
tttttcgccg cttt 614

<210> 9681

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-C1

<400> 9681

ggtcgggata tcgtgcccac ctcggttactt acttagagca ggacccacgc ctggcagcca 60
agatgcttgc attgttcgct ctcctagctc tttgtgcaag cgccactagt gcgaccata 120
ttccagggca cttgccacca gtcatgccat tgggtaccca tgaacccatg catgcagtac 180
tgcatgatgc aacaggggct tgccagcttg atggcgtgtc cgtccctgat gctgcagcaa 240
ctgttggcct taccgcttca gacgatgcca gtgatgatgc cacagatgat gacgcctaac 300
atgatgtcac cattgatgat gccgagcatg atgtcaccaa tggctcttgcc gagcatgatg 360
tcgcaaatga tgatgccaca atgtcactgc gacgccgtct cgcagattat gctgcaacag 420
cagttaccat tcatgttcaa cccaatggcc atgacgattc caccatggtt cttacagcaa 480
ccctttgttg gtgctgcatt ctagatagaa atatttgtgt tgtatcgaat aatgagttga 540
catgccatcg cgtgtgactc attattaaca ataaaacaag tttcctctta aaaaaattta 600

aaa

603

<210> 9682
<211> 605
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-063-Q1-K6-C11

<400> 9682

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gtcctcgttc tcgtcgtgtg cctggctctg tcagctgccg gcgcctctgc aatgcagatg 120
ccctgccccct gcgcggggct gcagggttg tacggcgtg gcgcgggct gacgacgatg 180
atgggcgcgcg gcgggctgta cccgtacgcg gagtacctga ggcagccgca gtgcagcccg 240
ctggcgggcg cgccctacta cgccgggtgt gggcagccga gcgccatgtt ccagccgctc 300
cggcaacagt gctgccagca gcagatgagg atgatggacg tgcagtcctg cggcgagcag 360
ctgcagatga tgatgcagct tgagcgtgcc gctgccgcca gcagcagcct gtacgagcca 420
gctctgatgc agcagcagca gcagctgctg gcagcccaag gtctcaacct catggccatg 480
atgatggcgc agaactatgcc ggcccatggt ggactctacc aataccagct gcccactac 540
ccgaccaacc cctggggcgt ctctcgtggc attccggcct actactggat tatgatattt 600
gggaa 605

<210> 9683
<211> 609
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-063-Q1-K6-C4

<400> 9683

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gtcgtcgtct agcagcagcc accgccgct catectcgca gccgccgtcc tgcctcctg 120
gctcgcggct gccagcgcga gcgcggggac ctctcgtg cgggggtggg ccatcccgca 180
caaccgcctc ccgagctgcc gctggtacgt gaccagccgg acctgcggca tcgggccgcg 240

cctcccgtgg ccggagctga agaggagatg ctgccgggag ctggcggaca tcccggcgta 300
 ctgccggtgc acggcgctga gcatcctcat ggacggcgcg atcccgccgg gcccggaacg 360
 gcagctggag ggccgcctag aggacctgcc gggctgcccc cgggaggtgc agaggggatt 420
 cgcgccacc ctcgtcacgg aggccgagtg caacctggcc accatcagcg gcgtcgccga 480
 atgcccctgg attctcggcg gcggaacgat gccctccaag taactgcgaa gagcatagtg 540
 catgaggaat gagcttgtag ctagtccata tgtctgaata ataagcacag caagaagatg 600
 aatgcattt 609

<210> 9684

<211> 280

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-D1

<400> 9684

gggggggggg gcctttttct cccccctgg ggggggaagg ggagggaggg ggggggnaaa 60
 aaaaaaaaaa atcccccccc ccgggggggg ggggggggaa acaaaaaaaaa aaaacacccg 120
 cgcggggggg ggggggttat ttattttttt ttttnntngg gggggggggg gggggggggg 180
 gccgggcccc ccccccccc cccccccnn nnggaggggg gggggggggtt tttttctccc 240
 cccggcggnn nnnnggnggg gggggggggg gggggggggg 280

<210> 9685

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-D2

<400> 9685

acgcgacaan cnnngccgt caatggctca cnnaagctgc ctatagcttg cctgtctnn 60
 tcccccatat cccttccatn caatgtagtg ggggtgggtg gtnngtgaag aaccagctc 120
 gttcaaccat tatagggctt caacaaggca agtcgcgagc aaggcannac atacgcttta 180
 tgcgcgcctt tggttggtgt tcaaccaat cgncccagcc cgtatcgttt ggggtggcagt 240

ngcattgggt accaanaacc atcaggggcn accaacagct ggcanngcaa ctctgggctg 300
 acctgtggga tcaaccaagt tagcctctgg gcaannacct ttctcccta ccctctcagc 360
 aaccaacaat tttctttcca tgtcaacca actggtctac actggaacc 409

<210> 9686

<211> 637

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-D3

<400> 9686

cccggctgac ccagcgttct taacaagcaa catattaagt ggnaatccag tagcaacaac 60
 anagcaacaa tggcgaccaa gatattttcc ctcttatgc tccttgctct ttctgcatgt 120
 gttgctaacg cgacaatttt cctcaatgc tcacaagctc ctatagcttc ccttcttccc 180
 ccataccttc catcaatgat agcttcagta tgtgaaaacc cagctcttca gccctatagg 240
 ctccaacaag caatcgcagc aagcaacata cctttatcac ccttggtggt tcaacaatcg 300
 ccagccctat ctttggtgca gtcattggta caaacatca gggcacagca gctgcagcaa 360
 ctctgctac ctgtgatcaa ccaagtagct ctggcaaacc tttctcccta ctctcagcaa 420
 caacaatttc ttccattcaa ccaactgtct aactgaacc ctgctgctta ttgagcagaa 480
 caactattac cattcagcca gctagctact gcctactctc agcaacaaca acttcttcca 540
 tttaaccaat tggccgcact gaaccccgct gcttatttgc agcagcaaact actactacca 600
 tttagccagc tagctgcagc aaaccgtgct tccttct 637

<210> 9687

<211> 494

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-D6

<400> 9687

aacaatggcg accaagaggt tgcctcctt tatgtcctt ggtcctcctg catgtgttgc 60
 tgacgggaca atcgacactt agtgtcaca ggctcctata gcttgcttc ttccccatc 120

accttccatc attgaggggg ggggggggtgt caaaacccag ctcttcagcc ctattggctg 180
cagcaagcaa tcgcagccag caacataccc ttatcaccct tgggtggctca aactcgcga 240
gccctctctc cggtgcagcc cttggggccac accatcaggg cacaccggca tgccggacct 300
cgagctacct gggatcaacc aacctactct ggccaacctt tgtccctact ctcaccatca 360
gctctgtctt gcatactacc aactgggttac actgcaaccc tgggtgcttgt ttgtgccaac 420
gcctatttcc attcaccag gctaactgct gcctactctt acaacaaca actatttcca 480
tttaccocat tgggt 494

<210> 9688
<211> 625
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-063-Q1-K6-E1
<400> 9688

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caaatccagc cgtcggcacc tccgcttcaa gatgcagatc tttgtgaaaa cctgactggt 120
caagactatc accctcgagg tggagtcgtc tgacaccatt gacaacgtta aggccaagat 180
ccaggacaag gagggcatcc cccagacca gcagcggtc atcttcgctg gcaaacagct 240
tgaggacggg cgcacgcttg ctgactaaa catccagaag gagagcacc cccaccttgt 300
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cctcgagggtg gagtcctccg acaccattga caacgtcaag gccaaagatcc aggacaagga 420
gggcatccct ccagaccagc agcggctcat ctttgcggg aagcagcttg aggacggggc 480
cacgcttgcc gactacaaca tccagaagga gagcaccctc cacttggtgc tgcgcctcag 540
aggaggcatg cagatcttcg tgaagaccct gaccggcaag actatcacc cgcaggtaga 600
gtcttcagac accatcgaca acgtc 625

<210> 9689
<211> 614
<212> DNA
<213> Zea mays
<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-E10

<400> 9689

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ccctccttgc gcttcttgcc ctttttgtga gtgcaacaaa tgcgttcatt attccacaat 120
gctcacttgc tccgagtgc attattccac agttcctccc tccagttact tcaatgggct 180
gggggcaccc agctgtgcaa gcctataggc tacaacaagc gcttgcgggc agcgtcttag 240
aacaaccaat tgcccaatta caacaacaat ctttggcaca tctaaccata caaaccatcg 300
caacgcagca gcaacaagca ctgagccacc tagccgtggg gaacctatc gcctacttgc 360
aacaacagct gcttgcattc aacctacttg ctttggcaaa cgtagctgca taccaacaac 420
aacaacagtt gcaacagttt ctaccagcgc tcagtcaact agccatgggtg aacctatcg 480
cctacctaca acagcaacaa cttctntcat ctagcccgct cgctatgggc aatgcaccta 540
catacctgca acaacagttg ttgcaacaac cgttgctgca acaaattgta ccagcttctt 600
actcagctag ctgt 614

<210> 9690

<211> 614

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-E9

<400> 9690

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ctcttcgctg atctcaccac cgcgccgacc ccgatggcct ccgccgcctc atcgcccgcc 120
gccgctggca aatcgctggt ccaggggttc cgcaggttcc tcaaaaagcc gtgggagatc 180
acgggccccct ggcctcgcgc cgagtaccgc agcgcgctgc ctggcgcgct cgagtaccgc 240
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gaccccacca aggacttccc cgtgccatac gtcaacacca ctgtcgagga ggacgacaac 480
acggtcggcg gtggctacca gaaatgatcc aggaaagctt actgatttga tgctgggttaa 540

tttgccaggc atccttggtg tgcttggact ccatgagcag ctgcacaaat ttcgtttcag 600
ctttcaaata tctc 614

<210> 9691

<211> 586

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-F1

<400> 9691

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tgcgccggcga cggaacgcgg ccgtggaatc ctcttgccg gggaccccaa gacggacacg 120

atcgccact gcaccggccg cagcgtcatc attcgccgcc tcgatgcgcc cctcgacact 180

tgggtctacc ccgaccacgc ctaccccacc accgtcgccc gcttctcccc caacggcgag 240

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gacggcttac gcatcgttgt ctccggggac ggcaagggca agtccttcgt ccgcgcattc 420

gtatgggact ctggcagcac agttgggtgag tttgatgggc actcaaagag ggttctgagc 480

tgtgacttca agccaacacg tccatttcgc attgtgacat gcggggaaga ttttctggct 540

aacttttatg aaggaccgcc attcaaattc aagcattcca taaggg 586

<210> 9692

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-F8

<400> 9692

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agccaagatt tttgccatcc ttgcctcct tgctctttca gcaagcggtg ctaccgcgac 120

tattattcca caatgctcac aacaatacct ctctccggtg acagccgga gatttgaata 180

cccaactata caatcctaca ggctacaaga ggccatcgca gcaagcatct tacggtcgtt 240

agcattgacc gtccaacaac catatgcctt attgcaacaa ccatacttaa tgaatctata 300

tctccaaaga atcgagcac aacaactaca acaacagttg cttccaacaa tcaatcaagt 360
 agttgcagcg aaccttgctg cttacctoca gcaacaacaa tttcttccat tcaatcaact 420
 agctggggtg aaccctgctg cttacttgca ggcacaacag ctactaccat tcaaccaact 480
 tgtcaggagc cctgctgcct tcttactgca gcaacagttg cttccattcc atctacaagt 540
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 gggtg 605

<210> 9693

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-G1

<400> 9693

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 tgtttctcat tttggagcta aggtgtaaca gaatcagcat cccaaaactg agggccaaga 180
 gtcattggaag taggtgcacc cgcttatcgg cgggtgcaggc actgctcatt attgttggca 240
 cctttgtcag tgggggtact atggattcag cttccatact tcacagcctt gcatgtaaca 300
 gttgggtttc ggatctcgtc ctggcttttg atcaacctga tctctaagct gctggtcgat 360
 gggtcgaagc cggccatttt atagtcttcc acagttcttt tcagaagtgc ctgcaaactg 420
 gaaactgcca gttctgcgcg tttctcgagg ctatcaggat atttattact ccactctagt 480
 aggagagcag ttgtcaaata tccagttccc gtgaaatatg caggtatctt tggatatctca 540
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<210> 9694

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-G11

<400> 9694

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ctttatcacc cttgttcctc caacaatcat cagccctatt acaacagtta cctttgggtgc 300
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aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctggtg tgagccctgc taccttcttg acacaaccac 600
agttggtgcc gttcta 616

<210> 9695

<211> 385

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-G2

<400> 9695

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aagtctgcgc tcagctgagg cccactgttg acatctcagt gaccgctgat gctgatttcg 180
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<210> 9696

<211> 479

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-G3

<400> 9696

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acatcattgg tgggtgccctc ttttagattg cttattagtt gtaattcaat aataaagttt 420
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<210> 9697

<211> 623

<212> DNA

<213> Zea mays

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<400> 9697

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cttcttcccc catacctctc accagcgggtg tcttcaatgt gtgaaacccc aattgttcaa 180
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cagtttcttc cattcaacca actggctgca ttgaactctg ctgcttattt gcaacaacaa 420
ttaccattca gccagctagt tgctgcctac cccagcaat ttcttccatt caaccaacta 480
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<210> 9698
 <211> 619
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-063-Q1-K6-H11

 <400> 9698

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ttcgtcggggg gcctcgccctg ggccacggac taccaactccc tgcacaactc cttcatcacc  180
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tgctacagtg gtggtggcgg cggctaccga agtggcaacc gtggcggcat gctacagcaa  540
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<210> 9699
 <211> 640
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-063-Q1-K6-H2

 <400> 9699

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tctacatgtg ttgctaacgc gacaattttc cctcaatgct cacaagctcc tatagcttcc  180
cttcttcccc cataccttcc atcaattata gcttcagtat gtgaaaaccc agctcttcaa  240
ccatataggc ttcaacaagc aatcgagca agcaacatac ctttatcgcc cttgttggtt  300
  
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caacaatcac cagccctatc tttggtgcag tcattggtac aaaccatcag ggcacaacag 360
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<210> 9700

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-H3

<400> 9700

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<210> 9701

<211> 621

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9701

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 cggcctgccg gcgacgacca gcaccgagcg cctcgagcag ctcgacgacg acctgcacat 480
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<210> 9702

<211> 645

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-064-Q1-K6-A6

<400> 9702

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645

<210> 9703

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-064-Q1-K6-A7

<400> 9703

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gcgaccccag gcgccccggg gggggccncg cgcgggggca cgggccccgc aggcgcgacg 360
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<210> 9704

<211> 621

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-064-Q1-K6-B5

<400> 9704

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<210> 9705
 <211> 606
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <213> Zea mays
 <223> unsure at all n locations
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catcgnaagg ggataatgat nnacctggga actagnaaat caccatccct tgcataaatg 180
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tctagcatcg tccagcacgg tggacttttt tattttgtgc ctcatttcca atcgtttttc 300
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<210> 9707
<211> 175
<212> DNA
<213> Zea mays
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aaaacatagc tttatgattt tggtttcagc ttagcatgag cacatattgt gtggc 175

<210> 9708
<211> 624
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<210> 9709
<211> 604
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-064-Q1-K6-D5
<400> 9709

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<210> 9710
<211> 624
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-064-Q1-K6-D6
<400> 9710

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<210> 9711
<211> 596
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 9711

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<211> 610
<212> DNA
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<223> unsure at all n locations
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<400> 9712

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<210> 9713

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-064-Q1-K6-E4

<400> 9713

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<210> 9714
<211> 293
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-064-Q1-K6-F2

<400> 9714

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<210> 9715
<211> 597
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-064-Q1-K6-G10

<400> 9715

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gcggctgcca gccaccgccc cgggttcctc taccgcccgc ggtgcatctg ccacctccgg 180
gtcacctgcc acctccgggt catctcccac cgccggtcca cctgccgccc ccggtccacc 240
tgccaccgcc ggtccatgtg ccgcgcgcgg ttcctctgcc gccgccacca tgccactacc 300
ctactcaacc gccccggcct cagcctcctc ccagccaca cccatgcccc tgccaacagc 360
cgcatccaag cccgtgccag ctgcagggaa cctgcggcgt tggcagcacc ccgatcctgg 420
gccagtgcgt cgagttcctg aggcattcagt gcagcccgcg ggcgacgccc tactgctcgc 480
ctcagtgccg gtcggtgcgg cagcagtggt gccagcagct caggcagggt gagccgcagc 540
accggtacca ggcgatcttc ggcttggtcc tccagtccat cctgcagcag cagccga 597

<210> 9716
<211> 569

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-064-Q1-K6-G11

<400> 9716

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cgggcactgc gccacgctga acaaggcggg ggaggaggcg ctttttggtc tgtgcggcgc 180
ctcctgcgcc ttctcctgct tcaccgacag ctacgtgggc gcggacgggc gcgtgtacta 240
cggcgtggtg acgcggcggg gcctgcgcac cttcacgccc gaccgggacg ccgcgcgcgc 300
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cgtcttcgcc accctcgcgc tctcgcgcgc cgacaccgtc gcctgcctct acccggcgct 420
ggagctcgcc gagcccacca tgatggccgt gctcccgccc gtcgtcggcg ccgtcgcggg 480
ctacgtcttc atggtgttcc ccaacaaccg gcacggcgtc gggtagcagc ccacgcccgc 540
caccgaagac ttccagcaca aataactaac 569

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<210> 9717
 <211> 587
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-064-Q1-K6-G2

<400> 9717

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tgcccttctt ccccatacc ttccatcaat gaccgcttta gtatgtgaaa acccagccct 180
tcaaccctac aggatccagc aagcaatcgc aacaagcaac ttacctttat cacacctgtt 240
ctttcaacaa tcgccagccc tatctttggt gcagtcattg gtacaaacca tcagggcaga 300
acagttgcag caactcgtgc taccagtgat cagccaagta gctctggcaa acctttcccc 360
ctactctcag caacaacaat ttcttcatt caaccaactg tctatactga acctgctgc 420
ttatctgcag caacaacaac tactaccatt cagccagcta gctactgcct actctcagca 480

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gcaacaatth cttccattta accaattggc cgcactgaac ccctctgctt atttccagca 540

gcaaatacta ctaccatttg gccagctagc tacaacaagc cccgctt 587

<210> 9718

<211> 626

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-064-Q1-K6-G3

<400> 9718

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tctgcatgtg ttgctaacgc gacaattttc cctcaatgct cacaagctcc tatagcttcc 180

cttcttcccc cataccttcc atcaatgata gcttcagtat gtgaaaaccc agctcttcag 240

ccctataggc tccaacaagc aatcgcagca agcaacatac ctttatcacc cttgttggtt 300

caacaatcgc cagccctatc tttggtgcag tcattggtac aaaccatcag ggcacagcag 360

ctgcagcaac tcgtgctacc tgtgatcaac caagtagctc tggcaaacct ttctccctac 420

tctcagcaac aacaatttct tccattcaac caactgtcta cactgaaccc tgctgcttat 480

ttgcagcaac aactattacc attcagccag ctagctactg cctactctca gcaacaacaa 540

cttcttccat ttaaccaatt ggccgcactg aaccccgctg cttatttgca gcagcaaata 600

ctactaccat ttagccagct agctgc 626

<210> 9719

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-064-Q1-K6-G9

<400> 9719

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gcaccattat cgagtacatc tcatatgtaa tctaaaagat ggcacctaca tacctgcaac 120

aacagttgct gcaacagatt gtaccagctc tggggggggg ggggtggggca aaccctgctg 180

cctacttgca acagctgctt ccattcaacc aactgactgt gtogaactct gctgcgtacc 240
 tacaacagcg acaacagtta cttaatccac tagcgggggc taaccattg gtcgctgcct 300
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 gggggcggcc gccctcggg ggcggggccc tttttgggcc etc 403

<210> 9720
 <211> 606
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-064-Q1-K6-H4
 <400> 9720

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 ttgcctcctt atgctccttg gtatttctgc aagtgtgct acggcgacca ttttcccgca 120
 atgctcacia gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc 180
 ggtatgtgaa aaccaattc ttcaacccta caggatcaa caggcaatcg cagctggcat 240
 cttaccttta tcacccttgt tcctccaaca atcatcagcc ctattacagc agttaccttt 300
 ggtgcattta ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 360
 ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa 420
 ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ttgcctacct 480
 ccaacaattt cttcattca accaactggc agcattgaac tctcctgctt atttacagca 540
 gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca 600
 accaca 606

<210> 9721
 <211> 201
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-065-Q1-K6-A12
 <400> 9721

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aaggtatggt gcttgctgcg attgcttggt gaagcctata tggttgaaga gctgggtttt 120
gacatactgg agctataatt tgtgtttgtt ttctgncccg aaaaaccctt tttgggtttg 180
aaaggggttt tttttttaac a 201

<210> 9722
<211> 498
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-065-Q1-K6-A3

<400> 9722

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gcagcgcgag cgagatgcaa gctcgcgttc gccttctcgg tgcccgcgat cgactggaac 180
accagatcga ccggcgcgcc cttctcgacc gccgcgatcg tgttggtcac gtgcgtgagc 240
acacacgact gcgtcggcac gccgtagcgc tcgcggaagc cgtcgatcat cgcgagcagc 300
ttcacgatcg cagccaggct gtcggtcgcc gggttgatgc cgatcatcgc gtcgccgcag 360
ccgtacatca gcccgtcgag catcgatgcy gcgatgcctt tcacgtcatc ggtcggatgg 420
ttcggctgca gccgcaccga catccggccg gccagcccga ccgtgttgcy aaagcgcgtg 480
accacgcggc gcttgcy 498

<210> 9723
<211> 393
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-065-Q1-K6-C10

<400> 9723

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cgcgngcgcg gnagacccgn accangacgg gggggggggg ggcgnncnnn aacncaacn 180
cccacagcgc cangnacggc ancaggggca gngcaagggg ccaggncgcc agcgacaacg 240

ggaccacggg gngcgcgac gngccccggg cggggcagcg gcgcagcgga ccccagggcg 300
accgcgncgc caccaaggcg cagggagaag gcgnccagng cagcgcccg c gagacgaacc 360
cggcccccan gggcagccac ggccccggg aag 393

<210> 9724

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-C12

<400> 9724

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aggaagaagt cagtaaagta aattctgtcg ctccaattcg gacgaggaga tgccgcggat 120
ccctttgatc aggttcccca agcgggatct caaagcccca tctccatccg cgccagcggg 180
cgtcgcagct ccgcagacca gcgcgcgggc ctgatgttcc tgtagggggc taaagcggag 240
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tctcatactg gtgttgagg tccagcttcc ctcttttcta cgcgcaaacc cctgtctgaa 360
gaagatattg nggctattgt gctggggggc ttcctttgat tccccctctt gtgaatggga 420
aattc 425

<210> 9725

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-C2

<400> 9725

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tgcaagtgtc gctacggcga ccattttccc gcaatgctcg caagctccta tagcttccct 120
tcttcccccg tacctctcac cagcgggtgc ttcgggtatgt gaaaactcaa ttcttcaacc 180
ctacaggatc caacaggcaa tcacagctgg catcttacct ttatcaccct tgttctcca 240
acaatcatca gccctattac atcagttacc tttgggtgcat ttattggcac aaaacatcag 300
ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcctactctc agcaacagca 360

gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc aacaacaaca 420
 actaccattc agccagctac ctgctgccta cccccagcaa tttcttccat tcaaccaact 480
 ggcagcattg aactctcctg cttattttaca gcagcaacaa ctactaccat tcagccagct 540
 agctggtgtg agccctgcta ctttcttgat acaaccaag ttgttgccgt tctaccagca 600
 c 601

<210> 9726
 <211> 609
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-065-Q1-K6-C8

<400> 9726

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 ccttatgctc cttggtcttt ctgcaagtgc tgctacggcg accattttcc cacaatgctc 120
 acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcgggtatg 180
 tgaaaaccca attcttcaac cctataggat ccaacaggca atcgagctg gcattctacc 240
 tttatcacc cttgttctcc aacaatcatc agccctatta cagcagttac ctttggtgca 300
 tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgccactctc cagcaacaac agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
 ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480
 atttcttcca ttcaaccaac tgacagcttt gaactctcct gcttatttac agcagcaaca 540
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 attggtgcc 609

<210> 9727
 <211> 602
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-065-Q1-K6-D2

<400> 9727

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 aacagctgct tgcattccaac ccacttgctt tggcaaacgt agctgcatac caacaacaac 120
 aacagttgca acagttttctg ccagcgctca gtcaactagc catggtgaac cctatcgctt 180
 acctacaaca gcaacaactt ctttcatcta gcccgctcgc tatgggcaat gcacctacat 240
 acctgcaaca acagttgttg caacaacagt tgctgcaaca aattgtacca gctcttactc 300
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 tggctaacc attggtcgct gccttcttac agcagcaaca attgctgcca tacaaccagt 480
 tctctttgat gaaccctgcc ttgtcgtggc agcaacccat cgttgggtgt gccatctttt 540
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<210> 9728

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-D3

<400> 9728

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 aacaagttca catgcaacca caaaaacatc agcaacaaca agaagttcat gttcaacaac 120
 aacaacaaca accgcagcac caacaacaac aacaacaaca acagcaccaa caacaacatc 180
 aatgtgaagg ccaacaacaa catcaccaac aatcacaagg ccatgtgcaa caacacgaac 240
 agagccatga gcaacaccaa ggacagagcc atgagcaaca acatcaacaa caattccagg 300
 gtcatgacaa gcagcaacaa ccacaacagc ctcagcaata tcagcagggc cagngaaaaa 360
 tcacaacagc aacaatgtca ttgccaggag cagcaacaga ctacaagggtg cagctataac 420
 tactatagca gtagctcaaa tctaaaaaat tgtcatgaat tctaaggga gcagtgcagc 480
 ccttttgtaa tgcccttttct ccaatcacgt ttgatacaac caagtagctg ccaggtattg 540
 cagcaacaat gttgtcatga tcttaggcag attgagccac aatacattca ccaagcaatc 600

tacaacatg

609

<210> 9729

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-E12

<400> 9729

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atgatccgtg ttcctgactg ggcatttgag gctgttggcc tggaaatgag agtgggtcaa 120

gatactgcat atcatcctgg tctttattta actgatgctc agagagaagc aggtgaggca 180

ctgattcaag atcttccaaa attcaggctg aaagctgttc caacggactg cagtgaatgc 240

cccatctgcc ttgaagaatt tcatgttggc aatgaggtcc gtgggctccc atgcgcgcac 300

aattttcatg tggagtgcac cgaccagtgg ctctggctga atgtcaagtg cccacggtgc 360

cgggtgctccg tcttcccaa cctggacctg agtgcggtga acaatcttcg gtcgaccagc 420

gagccggacc atccgtccgc cagcgccagc aatgtaacaa cggcaactgc agcgacgaga 480

tacgtgaggt cgcagccggc aggtcaaagc tatttggtgc ggttgcaagg gctgctgctc 540

cgccctgtcc ggcacgatag cgtggaggag agtgacggtg agccggcggt gggcaacagt 600

cgcttggttg 610

<210> 9730

<211> 622

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-E6

<400> 9730

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cccgcaatgc tcgcaagctc ctatagcttc ccttcttccc ccgtacctct caccagcggt 180

gtcttcggta tgtgaaaacc caattcttca accctacagg atccaacagg caatcacagc 240

tggcatctta cctttatcac ccttggttct ccaacaatca tcagccctat tacatcagtt 300

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agcaaaccctt gctgcctact ctcagcaaca gcagtttctt ccattcaacc aactagctgc 420
attgaactct gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc 480
ctacccccag caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattc 540
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gatacaacca cagttgttgc cg 622

<210> 9731
<211> 540
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-F12

<400> 9731

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gatgttggtg ttctttatga cagcgattgg gaatccacaa gctgatctgc aagctcagga 120
ccgtgcacat aggataggtc aaaagaaaga agttcaagtg ttccgctttt gcactgaggg 180
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tattcagcaa ggacgattgg cagagcagaa aactgtcaat aaggatgacc ttctgcaaat 300
ggtgcgggtt ggtgctgaaa tggttttcag ttctaaggac agcacaataa ctgatgagga 360
cattgaccgt attatagcta aaggagagga gacaacagct gaacttgatg caaaaatgaa 420
aaagttcaca gaggacgcca ttaaatttaa gatggatgat aatgccgaac tgtatgattt 480
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<210> 9732
<211> 634
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-065-Q1-K6-F2

<400> 9732

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 gtgtcttcaa tgtgtgaaac cccaattggt caaccctaca ggatccaaca ggcaatcgca 240
 acaggcatct taccattatc acccttgttc ctccaacaac cgtcagccct attacagcag 300
 ttacctttgg tccatttggg ggcacaaaac atcagggcac aacaactaca acaacttgtg 360
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 gcattgaact ctgctgctta tttgcaacaa caattaccat tcagccagct agttgctgcc 480
 tccccccagc aatttcttcc attcaaccaa ctagcagcat tgaactctgc tgcttattta 540
 cagcagcaac aactactacc attcagccag ctagctgatg tgagccctgc tgccttcttg 600
 acacaacaac agttgttgcc gttctacctg cacg 634

<210> 9733

<211> 618

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-F3

<400> 9733

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 attattccac agtgctcact tgctcctagt gccattattc cacagttcct cccaccagtt 180
 acttcaatgg gcttcgaaca tccagccgtg caagcctaca ggctacaact agcgcttgcg 240
 gcgagcgctt tacaacaacc aattgcccaa ttgcaacaac aatccttggc acatctaacc 300
 ctacaaacca ttgcaacgca acaacaacaa caacaacagt ttctgccatc actgagccac 360
 ctagccgtgg tgaaccctgt cacctacttg caacagcagc tgcttgcatc caaccactt 420
 gctctggcga acgtagctgc ataccagcaa caacaacagc tgcaacagtt tatgccagt 480
 ctcagtcaac tagccatggg gaaccctgcc gtctacctac aactactttc atctagcccg 540
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 gctctgactc agctagct 618

<210> 9734

<211> 608
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-065-Q1-K6-G2

<400> 9734

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aagatattat cctccttgc gcttcttgcg ctttttgcga gcgcaacaaa tgcgttcatt 120
attccacaat gctcacttgc tccaagttcc attattacac agttcctccc accagttact 180
tcaatgggct tcgaacaccc agctgtgcaa gcctataggc tacaacaagc aattgcggcg 240
agcgtcttac aacaaccaat ttcccagttg caacaacaat ccttggcaca tctaacaata 300
caaaccatcg caacgcaaca gcaacaacaa ttctaccag cactgagcca cctagccatg 360
gtgaaccctg ccgcctactt gcaacagcag ttgcttgcac caaaccact tgctctggca 420
aacgtagttg caaaccagcc acaacaacag ctgcaacagt ttctgccagc gctcagtcaa 480
ctagccatgg tgaaccctgc cgctaccta caacagcaac aactgctttc atctagcccg 540
ctcgtgtgtg ccaatgcacc tacatacctg caacaacaat tgttgcaaca gattgtacca 600
gctctgac 608

<210> 9735
<211> 529
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-G9

<400> 9735

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aactctcttg cttatttaca gcagcaacaa ctactaccat tcagccagct agctggtgtg 180
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aacgctggca cctctttaca actgcaacaa ttgctgccat tcaaccaact tgctttgaca 300
aaccagcag cattctacca acaaccatc attggtggtg cctcttttta gatttcttat 360
gagttatagt tcaataataa agttttttgt ctgatgtttg tggcttccca gaaataagaa 420

agtacatttc taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagag 480

gggaaaaaaaa aatttttaaa aaaaaaaaaa agattatatg cgggggcat 529

<210> 9736

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-H6

<400> 9736

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tattttgcct ctttatgctc cttggtcttt ctgcaagtgc tgctacggcg accattttcc 120

cgcaatgctc gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg 180

cttcgggtatg tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgagctg 240

gcatcttacc tttatcacc ttgttctcc aacaatcatc agccctatta caacagttac 300

ctttggtgca tttattggca caaaacatca gggcacaaca actacaaca cttgtgctag 360

caaaccttgc tgctactct cagcaacagc agtttcttcc attcaaccaa ctaggttcat 420

tgaactctgc ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct 480

acccccagca atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac 540

agcagcaaca actactacca ttcagccagc tagctggtgt gagccctgct accttcttga 600

cac 603

<210> 9737

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-H7

<400> 9737

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tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat tttccctcaa 120

tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat tatagcttca 180

gtgtgtgaaa acccagctct tcaaccatat aggcttcaac aagcaatcgc agcaagcaac 240
 atacctttat cgcccttggt gtttcaacaa tcaccagccc tatctttggt gcagtcattg 300
 gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat caaccaagta 360
 gctctggcaa acctttctcc ctactctcag caacaacaat' ttcttccatt caaccaactg 420
 tctacactga accctgctgc ttatttgag caacaactat taccatttag ccagctagct 480
 actgcctact ctcagcaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540
 gctgcttatt tgcagcagca aatactactg ccatttagcg agctagctgc agcaagtcgg 600
 gcttcttct tg 612

<210> 9738

<211> 208

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-A4

<400> 9738

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 caattgtgct acatctggtg aaggggtgta tgaggggctt gactggcttt ccagcaacat 120
 ctccagcaag tcttgaagct tttcggcgag ngngggggnn nnnnnnnnnn tttttttttn 180
 nnnnnnnnnn cccccccct tttttttt 208

<210> 9739

<211> 613

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-066-Q1-K6-A7

<400> 9739

atagcttcag tatgtgaaaa acccagctct caaccatata ggcttcaaca agcaatcgca 60
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 cagtcattgg taaaaccat cagggcacia cagctgcagc aactcgtgct acctgtgatc 180
 aaccaagtag ctctggcaaa cctttctccc tactctcagc aacaacaatt tcttccattc 240

aaccaactgt ctacactgaa ccttgcgtgt tatttgcagc aacaactatt accatttagc 300
 cagctagcta ctgcctactc tcagcaacaa caactttctt catttaacca attggccgca 360
 ctgaaccccg ctgcttattt gcagcagcaa atactactgc catttagcga gctagctgca 420
 gcaagtcgtg cttccttctt gacacagcaa cagttgctgc ctttctacaa gcagtttgcg 480
 gctaaccccg caaccctctt acaactacaa caattgttgc ctttgtcca acttgctttg 540
 aaaaaccag cagcctcta ccaacaacac atcattgggt ggtgccctc ttcttacatt 600
 gattattagt tgt 613

<210> 9740
 <211> 572
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-066-Q1-K6-B5
 <400> 9740

tttgagcatt cagnaaacac accaagcgaa cgactagca acggacgcta acaacaatgg 60
 ctaccaagat attagccctc cttgcgcttc ttgccctttt tgtgagcgca acaaatgcgt 120
 tcattattcc acaatgctca cttgctcta gtgccattat tccacagttc ctcccaccag 180
 ttacttcaat gggcttcgaa cacctagctg tgcaagccaa catgcaacaa caagcgcttg 240
 cggcgagcgt cttacaacaa ccaattgcc aattgcaaca acaatccttg ccacatctaa 300
 caatacaagc catcacaacg caacagcaac aacagttcct accagcactg agccacctag 360
 ccatggtgaa cctgcccgc tacttgcaag agcagctgct tgcattcaac ccacttgctc 420
 tggcgaacgt agttgcaaac cagcaacaac aacagctaca acagtttctg ccaacgctca 480
 gtcaactagc catggtgaac cctgccgcct acgtacaaca acaacaactg cttttatcta 540
 gccccctcgc tgtgggcaat gcacctacat ac 572

<210> 9741
 <211> 524
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-066-Q1-K6-B8

<400> 9741

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tgcttgccac agtcttggtc ttcctcatag ttatctatctt ccaaggcttc cgtgttggtc 120
ttccagttag atcaaagaat gctcgtggcc agcaaggctc atatccaatt aagctatggg 180
gggggtggaaa catgcccacg attctgcaact ctgcaactgat taccaacctc tatttcatat 240
cccagcttct ctacaggaag tacagtggaa acttcttctg taaccttctt gggatgtgga 300
aggagtctga atactctggc cattctgttc ctgttggtgg tcttgcttac tatgtaactg 360
ccccatcaag ttgggtgat gtccttgcaa atccattcca tgcactgttt tatgtggtct 420
tcatgtgtc agcttgcgct ctgttctcaa aaacgtgatt gaaatttctg gttcatcagc 480
aaaggatgtt gctaaacagc ttaaggaaca acaaatgggtg atgc 524

<210> 9742

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-C1

<400> 9742

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aaaacaaagg tgctgattga ttcttgagag tgagaccaat tcttggttg cttagatgag 120
ccagaatata cataccttgc tcaatgggca ttttgggggg ggaggagcct tttagacctt 180
ctcaagtcaa aatatattca anacatgact ttggatctga aatctctcca gagctgtcta 240
gatcatagtg tgcaggcatg catttttacg ggctattggg aggatgttgg aacaatcaaa 300
tcattctttg atgcaaactt ggcctcact gaggagcctt ccaagtttga tttttatgat 360
ccaaaaacac ctttcttcac tgcaccccgga tgcttg 396

<210> 9743

<211> 591

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-C2

<400> 9743

gngaccgact tctaaaatgg gctagtnгаа gatgatcata ctggacgtgt acttcaattc 60

tttgaaaaac aagggtgctg atttgaattc tatgagagtt gagaccaact tcctgagcta 120

tgctatagat gatgcacaga aatatccata ccttgcatca atgggcattt atgtcttcaa 180

gaaagatgca ctttttagacc ttctcaagtc aaaatatatt caattacatg actttggatc 240

tgaaatcctc ccaagagctg tactagatca tagtgtgcag gcatgcattt ttacgggcta 300

ttgggaggat gttggaacaa tcaaatcatt ctttgatgca aacttggccc tcaactgagca 360

gccttccaag tttgattttt atgatccaaa aacacctttc ttcactgcac cccgatgctt 420

gcctccgacg caattggaca agtgcaagat gaaagatgca tttatctcag atggttgctt 480

actgagagaa tgcaacatcg agcattctgt gattggagtc tgctcacgtg tcagctctgg 540

atgtgaactc aaggactccg tgatgatggg agcggacacc tatgaaactg a 591

<210> 9744

<211> 259

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-C6

<400> 9744

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gaaaaaaaaa aaaaaaaaaa aaaaagggcg gaacgatata aagggtccaa agcttactaa 120

cgcatcgaat gctaacgtaa ctaaagtctt gtatagtggg caccttaatt taatttcact 180

gcgcccgtct ttttacaact gtgccgcact ggtaaaaacg gtgggggggg ggcaaattaa 240

tgggccttgg cgaactata 259

<210> 9745

<211> 493

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-066-Q1-K6-D1

<400> 9745

ccgggcaata gtgtaccaac atggcagcca aaatttttgc ctccttatgc tccttggctc 60

ttctgcaagt gctgctacgg cgaccatttt cccgcaatgc tcgcaagctc ctatagcttc 120
 cctttcttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaacc caattcttca 180
 accctacagg atccaacagg caatcgcagc tggcatctta cctttatcac ccttggtcct 240
 ccaacaatca tcagccctat tacaacagtt acctttggtg catttattgg cacaaaaat 300
 cagggcacia caactacaac aacttggtg agcaaactt gctgcctact ctcagcaaca 360
 gcagtttctt ccattcaacc aactaggttc attgaactct gcttcttatt tgcaacaaca 420
 acaaccatc attggtggtg ccctctttta gatttcttat gagttatagt tcaataataa 480
 agttttttat ctg 493

<210> 9746

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-066-Q1-K6-D4

<400> 9746

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 gccatccttg ccttccttgc tctttcagca agcgttgcta ccgcgactat tattccacaa 120
 tgetcacaac aatacctctc tccggtgaca gccgcgagat ttgaataccc aactatacaa 180
 tcttacaggc tacaagaggc catcgcagca agcatcttac ggtcgttagc attgaccgtc 240
 caacaacat atgccttatt gcaacaacca tccttaatga atctatatct ccaaagaatc 300
 gcagcacaac aactacaaca acagttgctt ccaacaatca atcaagtagt tgcagcgaac 360
 cttgctgctt acctccagca acaacaattt cttccattca atcaactagc tgggggtgaac 420
 cctgctgctt acttgagggc acaacagcta ctaccattca accaacttgt caggagccct 480
 gctgccttct tactgcagca acagttgctt ccattccatc tacaagttgt ggcaaacatt 540
 gctgctttct tgcaacaaca acaacaattg ctgccatttt acccac 586

<210> 9747

<211> 624

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-E3

<400> 9747

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aaaatTTTTg cttccttatg ctcccttggtc tttctgcaag tgttgctacc gcaaccattt 120
tcccacaatg ctcacaagct cctatagctt cccttcttcc cccatacctc tcaccagcgg 180
tgtcttcaat gtgtgaaacc ccaattgttc aaccctacag gatccaacag gcaatcgcaa 240
caggcatctt accattatca cccttggttc tccaacaacc gtcagcccta ttacagcagt 300
tacctttggt ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttgtgc 360
tagcaaacct tgctgcatat tctcagcaac atcagtttct tccattcaac caactggctg 420
cattgaactc tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct 480
acccccagca atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac 540
agcagcaaca actactacca ttcagccagc tagctgatgt gagccctgct gccttcttga 600
cacaacaaca gttgttgccg ttct 624

<210> 9748

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-F4

<400> 9748

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ttttgcctcc ttatgctcct tggcttttct gcaagtgtct ctacggcgac cattttcccg 120
caatgctcgc aagctcctat agcttccctt cttccccgt acctctcacc agcgggtgtct 180
tcggtatgtg aaaacccaat tcttcaacc tacaggatcc aacaggcaat cacagctggc 240
atcttacctt tatcaccctt gttcctccaa caatcatcag ccctattaca tcagttacct 300
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg 420
aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480
ccccagcaat ttcttccatt caaccaactg gcagcattga actctcctgc ttatttacag 540

cagcaacaac tactaccatt cagccagcta gctggtgtga gccctgctac cttct 595

<210> 9749

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-F5

<400> 9749

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ttcccttctt ccccggtacc tctcaccagc ggtgtcttcg gtatgtgaaa acccaattct 180

tcaacctac aggatccaac aggcaatcgc agctggcacc ttacctttat cacccttgtt 240

cctccaacaa tcatcagccc tattacaaca gttacctttg gtgcatttat tggcacaaaa 300

catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct actctcagca 360

acagcagttt cttccattca accaactagg ttcatagaac tctgcttctt atttgcaaca 420

acaacaacta ccattcagcc agctacctgc tgcctacccc cagcaatttc ttccattcaa 480

ccaactagca gcattgaact ctctgctta tttacagcag caacaactac taccattcag 540

ccagctagct ggtgtgagcc ctgctacctt cttgacacaa ccacagttgt tgccgttcta 600

ccagcacggt ggcct 616

<210> 9750

<211> 622

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-G5

<400> 9750

acagtattcg ggnataacaa canaagctaa accaagcgct tgaagacatg ttttcccaaa 60

tcctgttgag cctaattggtt atatggtcat gctatgctac aaaaatggct ccttgaccag 120

agaagagtac gaaatcgctg tgcagacaaa natgggacgt ttttaacagc tatctgggag 180

aaaacacccc ctctaaatgg tgggaagtta ggattctact acaaagacca tgaaatctc 240

cctccacttc cagtgggttt ccatcggtac actgtcgaaa acctcaacga cgtctcatca 300
 gagctctgt tggaccgtga agtgggaagaa tttgaccac cgtccgaggt tcgtgccatc 360
 attgagggcc aaatgctgtc gatgcgaggc cagccgaga ggtttggcat gccgaaccct 420
 cccaaacgga tcatagcaac cggcggggca tctccaacg aaagcatcct caagtcggtc 480
 ggcgagatct tcggttgccc tgtcttcaca gtccagagac ctgattcggc atcgctgggc 540
 gcagcgctga gagctgccc cgggtggcta tgcaacggc aagggtagct tcgtcccat 600
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<210> 9751

<211> 561

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-066-Q1-K6-H1

<400> 9751

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 ccaaaatatt tgcttcctta tgtccttgg tctttctgca agtggtgcta ccgagaccat 120
 tttccacat gtcacaagc tctatagct tcccttcttc cccatacct ctaccagcg 180
 gtgtcttcaa tgggtgaaac cccaattgtt caacctaca ggatccaaca ggcaatcgca 240
 acaggcatct taccattatc acccttggtc ctccaacaac cgtcagccct attacagcag 300
 atacctttgg tccatttggg ggcacaaaac atcggggcac aacaactaca acaacttggt 360
 ctagcaaacc ttgctgcata ctctcagcaa catcagtttc ttgcattcaa ccaactggct 420
 gcggtgaact ctgctgctta tttgccacaa caattaccat tcagccagct agttggtgcc 480
 tccccccagc aatttcttcc attcaaccaa ctagcatgat tgaactctgc tgcttattta 540
 cagggtcatc aactactacc a 561

<210> 9752

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-H4

<400> 9752

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aacacgaaca gagccatgag caacaccaag gacagagcca tgagcaacaa catcaacaac 120
aattccaggg tcatgacaag cagcaacaac cacaacagcc tcagcaatan tcagcagggg 180
ccagggaata atcacaacag caacaatgtc attgccagga gcagcaacag actacaaggt 240
gcagctataa ctactatagc agtagctcaa atctaaaaaa ttgtcatgaa ttcctaaggc 300
agcagtgcag cccttttgga atgccttttc tccaatcacg tttgatacaa ccaagtagct 360
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accaagcaat ctacaacatg gttcaatcca taatccagga ggagcaacaa caacaacct 480
gtgagttatg tggatctcaa caagctactc aaagtgcggg ggcaatcttg acagcagcac 540
aatacctacc atcaatgtgc ggcttgtacc actcatacta ccaaaataat ccatgca 597

<210> 9753

<211> 268

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-A7

<400> 9753

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cattgctcac actgacactg ccaccaggt gatgcgtgac acattattac tcaatcatcg 120
ccgctaaatg actcaactag ctagctagcc agcggctata ctacancaca tggggggggg 180
gggggggggac acccccnncg gcanctcang canntnnanc cccancaccc ctaccanncn 240
atcttctnct tnttcttcca ntccatcc 268

<210> 9754

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-A8

<400> 9754

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 tgctcacaag ctcttatagc ttccttctt ccccatacc tctcaccagc ggtgggggga 180
 gtgggggaaa acccaattgt tcaaccctac aggatccaac aggcaatcgc aacaggcatc 240
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 gtccatttgg tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
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 tctgctgctt atttgcaaca acaattacca ttcagccagc tagttgctgc ctaccccag 480
 caattttctt cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa 540
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 cagttgt 607

<210> 9755

<211> 543

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-C2

<400> 9755

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 gttcaagctt tgcaagggtta ggtctgttca gtttgggcag aagggcatcc cttatctgaa 120
 cacgtatgac ggccgcacca tccgctaccc tgacccctc atcaaggcca acgacaccat 180
 caagatcgat ctggagacca acaagattgt ggacttcac aagtttgatg ttggcaacgt 240
 cgtcatgggtg actggcggaa ggaacactgg ccgcgtgggt gttatcaaga acagggagaa 300
 gcacaagggc agctttgaga ccattcacgt ggaggactcc ctgggccacc agttcgccac 360
 ccgtatgggc aacgtgttca ccacgcgcaa gggtaataag ccgtgggtga gcctgcccaa 420
 gggcaaggga atcaagctga acatcataan aagagcaaag gaagcgggat gccgctgcc 480
 aggtgctgc caacgcataa attctttgaa tgtgctgtgt tgagagtttt tttctagttg 540
 ctc 543

<210> 9756

<211> 615

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-067-Q1-K6-D3

<400> 9756

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cctcttttgcg cttctttgccc tttttgtgag cgcaacaaat gcgttcatta ttccacaatg 120
ctcacttgct cctagtgcga ttattccaca gttcctccct ccagttactt caatgggctt 180
cgaacaccca gctgtgcaag cctacaggct acaacaagcg cttgcggcga gcgtcttaca 240
acaaccaatt gcccaattac aacaacaatc cttggcacat ctaaccatac aaaccatcgc 300
aacgcaacag caacaacaat ttctaccagc actgagccaa ctagctgtgg tgaaccctgt 360
cgctacttg caacagcagt tgcttgcac caaccactt gctctggcaa acatagtgc 420
ataccaacaa caacaacaat tgcaacagtt tctaccagcg ctcaagtcaac tagccatgg 480
gaaccctgcc gcctacctac aacagcaaca actgatttca tctagccctc tcgctgtgg 540
taatgcacct acatacctgc aacaacagtt gctgcaacag attgtaccag ctctgactca 600
gctagctgtg gcaaa 615

<210> 9757

<211> 406

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-D4

<400> 9757

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cccccccccc ccccccccc ccnccccccc ccccccccc ccccccccc ccccccccc 180
ccccccccnc cccccccnc ccccccccc cccccccnc ccccccccc ccccccccc 240
cccccccccc ccccccccc ccccccccc ccccccccc ccccccncc ccccncccc 300
cccccccccn nnnccccccc ccccccccc ccccccccn cccccccnc ccccccccc 360

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406

<210> 9758

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-067-Q1-K6-D6

<400> 9758

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accaagatat tagccctcct tgcgcttctt gcccttttag tgagcgcaac aaatgcgttc 120
attattccac agtgctcact tgctcctagt gccattattc caagttcctt cccaccagtt 180
acttcaatgg gcttcgaaca tccagccgtg caagcctaca ggctacaact agcgcttgcg 240
gagagcgctt tacaacaacc aattgcccac ttgcaacaac aatccttggc acatctaacc 300
ctacaaacca ttgcaacgca acaacaacaa caacaacagt ttctgccatc actgagccac 360
ctagccgtgg tgaacctgtt cacctacttg caacagcagc tgcttgcatc caaccactt 420
gctctggcga acgtagctgc ataccagcaa caacaacagc tgcaacagtt tatgccagt 480
ctcagtcaac tagccatggt gaacctgcc gtctacctac aactactttc atctagccc 540
ctcgcgggtg gcaatgcacc tacgtaccta caacaacagt tgctgcaaca aattgtacca 600
gctctgactc 610

<210> 9759

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-E5

<400> 9759

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cacaagctcc tatagcttcc tttcttcccc catacctctc accagcgggtg tcttcagtat 180
gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgagca ggcattctac 240
ctttatcacc ctgtgtcctc caacaaccgt cagccctatt acagcagtta cctttgggtgc 300

atttgttggc acaaaacatc aaggcacaac aactacaaca acttgtgcta ggaaaccttg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ctaccattca gtcagctagc tgctgcctac cccagcaat 480
ttcttccatt caaccaactg gcagcattga actctgctgc ttatttaca cagcaacagc 540
taccaccatt cagccagcta gctgatgtga gccctgttgc cttcttgaca caacaacagt 600
tgttgccgtt ctac 614

<210> 9760

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-067-Q1-K6-F1

<400> 9760

ggcacaacaa ctacaacaac ttgtgctagc aaaccttget gcctactctc agcaacagca 60
gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc aacaacaaca 120
actaccattc agccagctac ctgctgccta cccccagcaa tttcttccat tcaaccaact 180
ggcagcattg aactctcctg cttatttaca gcagcaacaa ctactaccat tcagccagct 240
agctggtgtg agccctgcta cttcttctgat acaaccacag ttgttgccgt tctaccagca 300
cgctgcgctt aacgctggca cctctttaca actgcaacaa ttgctgccat tcaaccaact 360
tgctttgaca aaccagcag cgttctacca acaaccatc attggtggtg cctcttttta 420
gatttcttat gagttatagt tcaataataa agttttttgt ctg 463

<210> 9761

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-G1

<400> 9761

cgttaccaga acatccccgg gtcgnacca cgccgtcctg caatgggctt cgnaacatcc 60
agctgtgcaa gcctacaggc tacaacaagc gcttgcggcg agcgtcttac aacaaccaat 120

tgccaatta caacaacaat ccttggcaca tctaaccata caaaccatcg caacgcaaca 180
 gcaacaacaa tttctaccag cactgagcca actagctgtg gtgaaccctg tcgcctactt 240
 gcaacagcag ttgcttgcag ccaaccact tgctctggca aacatagttg cataccaaca 300
 acaacaacaa ttgcaacagt ttctaccagc gctcagtcaa ctagccatgg tgaaccctgc 360
 cgcctaccta caacagcaac aactgatttc atctagccct ctgctgtgtg ttaatgcacc 420
 tacatacctg caacaacagt tgctgcaaca gattgtacca gctctgactc agctagctgt 480
 ggcaaacctt gctgcctact tgcaacagct gcttccattc aaccaactga ctgtgtcgaa 540
 ctctgctgcg tacctacaac agcgacaaca gttacttaat ccactagcgg tggctaacc 600
 attggtcgtt gccttcctac agcagcaaca attgctgcc a t 641

<210> 9762
 <211> 484
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-067-Q1-K6-G2

<400> 9762

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 ttgtgaatgt gtgggatgac attaataaga aatactatat caaacacag ctgcggcgag 120
 ctgggatgga tcaagcactt ggggtgagagt tcttcgcgca gggctggagt gctacttcca 180
 gtattgcttg cagctcgagg agttgatgag atgcaacggc ggaatgccaa gttgggggtga 240
 gggctatgct ggtcaggaac atgatgcaaa ttaggggtgtc ctttcattct ataaggaatc 300
 ataaaagcat acggaggaac tatgtataag ctacaaagaa gcactacaaa gaagcataaa 360
 aagaattttt atagcataag ccaagtgttc tgatgatttt gttttttcaa ttgtattttc 420
 tgttattggt tcagcatgca catatattga catgatttat ggcattggcat ctgtcatctt 480
 tggt 484

<210> 9763
 <211> 604
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-067-Q1-K6-G3

<400> 9763

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ctttctccctt tcttgacctt tgcttggaac cattgattga tagttactta ttattgggca 180
tggagcacgt catctcaatg gaggagatcc tcgggccctt ctgggagctg ctaccaccgc 240
cagcgccaga gccagagcca gacgagagc agcctccggt aacgggcatc gtcgtcggca 300
gtgtcataga cgttgctgct gctggtcacg gtcatgggtg cggcgacatg atggatcagc 360
agcacgccac agagtggacc tttgagaggt tactggaaga ggaggctctg acgacaagca 420
caccgccgcc ggtgggtggg gtgccgaact cttgttgctc aggcgcccta aatgttgacc 480
ggccgccggt gatggaagag gcggtaatga tggcgccctg gccggtgagt agtgccgtag 540
taggggaccc catggagtac aatgccatac tgaggaggaa gctggaggag gacctcgagg 600
cctt 604

<210> 9764

<211> 620

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-G5

<400> 9764

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tccttatgct ctttggctct tctgcaagtg ttgtaccgc aaccattttc ccacaatgct 120
cacaagctcc tatagcttcc cttcttcccc catacctctc accagcgggtg tcttcaatgt 180
gtgaaacccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcattctac 240
cattatcacc cttgttctc caacaaccgt cagccctatt acagcagtta cttttggctc 300
atttgggtggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcatactc tcagcaacat cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ttaccattca gccagctagt tgctgcctac cccagcaat 480
ttcttcatt caaccaacta gcagcattga actctgctgc ttatttacag cagcaacaac 540

tactaccatt cagccagcta gctgatgtga gccctgctgc cttcttgaca caacaacagt 600
tgttgccggt ctacctgcac 620

<210> 9765

<211> 339

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-H2

<400> 9765

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tcancctect ttacctttct tttttttttt ctcccttccc tctctcattt tttttggggg 120
ggggggcccca ctcttcaac cctccacact cctcactta tttccaacct cctcctctcc 180
tctctctccc ttcttcttct aactctctcc atccctctct ttttttctt cttcctact 240
ntccctctcn acacctcttc tccttcacct cctcctacca tttcttctct tctccttctt 300
tcctcctttt cttcttcttc tcttttacct cactttctt 339

<210> 9766

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-A1

<400> 9766

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gattccaaac ctttctcttc ctagggccta tatcatgggtg ggcgggtgagg acggccctag 120
cgtacatgca acaacgcaat ggtactcttg gaactgaaac ccatgactgc taggatcaat 180
aacatccatg caacatccat ttaatccgct gaaaccaca agaaccctg gtgatgcgga 240
gccatatcat taagcaaatt gacatattta ctcttactgc gctgaatagc aaacaactcg 300
cattcatgag gcaggactac ctcatctatc cgacatctaa tccgaggatc accaagccg 360
ctttcagcat gacgactgtc ccccatcttg caaaagccat acacgcttca gtttctccac 420
tggaactgaag atagtaacaa aactgttcgt gaataaaacc tgaatcacc ac 472

<210> 9767
 <211> 561
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-068-Q1-K6-A3

 <400> 9767

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 cgctcacctc atcgccactc ttccgtctct cccgacactc cggccctgtc ctccgccggt 120
 tcagccgagc gccttcgctg catccgaggc ctccgaccga gccccgccc ccggcgctcg 180
 cctccgtggc tgcagcaggc gttgcagccc ttccgtaaga agatttcatg ggtttcagaa 240
 tgcaataagc tttgggaagg agcacaacag gcaagcccta ttcgcttcag gcagaggttc 300
 tcttagctcc agtgacgatg gctcgagttc tctgatggc ccacctgtcc tgaccattct 360
 ggcagggtgc accgtgttcc ttcttgtcct ctgggtcggt ggatcggtcg ttacctggat 420
 tgtgggcttg gtctttggcg ctgcgaaatc ttagaaggta ggatggtagg ctaccaatca 480
 gttgtatata ctttatttgt gctactgtgt tggaatcggt acattgaata gctgcatttg 540
 ctgctctctt tttctgacg g 561

<210> 9768
 <211> 612
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-068-Q1-K6-B1

 <400> 9768

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 agagcgtggt ggcgctttga gcattgtatg taaaagtgc gatgtagctg ttagggttga 120
 aagtcaactc aaacttgtca tcaggcctat gtattcaaac cctcctcttc atgggtgcctc 180
 tatcgttgct accatactca gggacagcga gatgttcaac gaatggactc tggaactgaa 240
 ggccatggct gataggatca ttaacatgag gcaacaacta tttaatgcgc tgaaatccag 300
 aggaaccctt ggtgattgga gccatatcat taagcaaatt gggattttta ctttactgg 360
 gctgaatagc gaacaagtcg cattcatgag gcaggaatac cacatttata tgacatctga 420

tgggaggatc agcatggccg gtttgagcat gaggactgtg ccccatcttg cagatgccat 480
 acacgctgca gttactcaac tgaaatgagg atagtatcgc agctttcgtg aataaaacct 540
 gaatcaccca caacaatggt ctaagtactc agccagtggg atttactggg tgacctactg 600
 tagtttgcgt cg 612

<210> 9769

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-B7

<400> 9769

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 tgctccttgg tctttctgca agtgtctgta cggcgaccat tttcccgcaa tgctcgcaag 120
 ctcttatagc ttcccttctt ccccggtacc tctcaccage ggtgtcttcg gtatgtgaaa 180
 gcggggggct tcaaccctac aggatccaac aggcaatcac agctggcatc ttacctttat 240
 cacccttggt cctccaacaa tcatcagccc tattacatca gttacctttg gtgcatttat 300
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
 actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
 atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc cagcaatttc 480
 ttccattcaa ccaactggca gcattgaact ctctgctta tttacagcag caacaactac 540
 taccattcag ccagctaact ggtgggagcc ctgctacctt cttgatacaa ccacagtt 598

<210> 9770

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-B8

<400> 9770

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 agctggtgct tgtggttctt gctttcattg ctttagtata aagtgtttct tgtacacaga 120

caggcggctg cagctgtggg ggggggggga cncnncan caacatcatc cacaacaaca 180
 tcattccaaa aaacaacaac atcaaccacc accacaacat caccagcagc agcaaacacca 240
 acaacaacaa gttcacatgc aaccacaaaa acatcagcaa caacaagaag ttcattgttca 300
 acaacaacaa caacaaccgc agcaccaaca acaacaacaa caacaacagc accaacaaca 360
 acatcaatgt gaaggccaac aacaacatca ccaacaatca caaggccatg tgcaacaaca 420
 ccaacagagc catgagcaac accaaggaca gagccatgag caacaacatc aacaacaatt 480
 ccagggtcat gacaagcagc aacaaccaca acagcctcag caatatcagc caggccagga 540
 aaaacacaac agcaacaatg tc 562

<210> 9771

<211> 625

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-C3

<400> 9771

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 agtatcaagt gtttcttgta cacagacagg cggctgcagc tgtggtcaac acaaagcca 180
 tgagcagcaa catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc 240
 acaacatcac cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca 300
 tcagcaacaa caagaagttc atgttcaaca acaacaacaa caaccgcagc accaccacca 360
 acaacaacaa caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca 420
 acaatcacia ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag 480
 ccatgagcaa caacatcaac aacaattcca gggctcatgac aagcagcaac aaccacaaca 540
 gcctcagcaa tatcagcagg gccaggaaaa atcacaacag caacaatgtc attgccagga 600
 gcagcaacag actacaaggt gcagc 625

<210> 9772

<211> 541

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-E4

<400> 9772

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gcgccacctc cagcataca agcggcgggt gcggctgcc gccaccgcc cgggttcac 120
taccgcccgc ggtgcatctg ccacctccgg ttcacctgcc acctccggtg catctccac 180
cgccgggtcca cctgccgcc cgggtccacc tgccaccgcc ggtccatgtg ccgccgccgg 240
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cccagccaca cccatgcccg tgccaacagc cgcatccaag cccgtgccag ctgcaggaa 360
cctgcggcgt tggcagcacc ccgacccctg gccagtgcgt cgagtttctg aggcacagt 420
gcagcccgac ggcgacgcc tactgctcgc ctcagtgcc gtcgttgccg cagcagtgtt 480
gccagcagct caggcaggtg gagccgcagc accggtacca ggcgatcttc ggcttggtcc 540
t 541

<210> 9773

<211> 585

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-F2

<400> 9773

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cttcttgccc tttttgtgag cgcaacaaat gcgttcatta ttccacaatg ctcacttgct 120
cctagtgcc ttattccaca gttcctccct ccagttactt caatgggctt cgaacaccca 180
gctgtgcaag cctacaggct acaacaagcg cttgcggcga gcgtcttaca acaaccaatt 240
gcccaattac aacaacaatc cttggcacat ctaaccatac aaaccatgc aacgcaacag 300
caacaacaat ttctaccagc actgagccaa ctagctgtgg tgaaccctgt cgctacttg 360
caacagcagt tgcttgcatc caaccactt gctctggcaa acatagttgc ataccaaaa 420
caacaacaat tgcaacagtt tctaccagcg ctcagtcaac tagccatggt gaaccctgcc 480
gcctacctac aacagcaaca actgatttca tctagccctc tcgctgtggt taatgcacct 540
acatacctgc aacaacagtt gctgcaacag attgtaccag ctctg 585

<210> 9774

<211> 587

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-F5

<400> 9774

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ctccttgccg ttcttgccct tttgtgagc gcaacaaatg cgttcattat tccacaatgc 120
tcacttgctc ctagtgccat tataccacag ttctccgac cagttacttc aatgggcttc 180
gaacacctag ctgtgcaagc ctacaggcta caacaagcgc ttgcggcgag cgtcttataa 240
caactacaac aacttggtgc agcaaaccct gctgcctact ctacgaaca acagtttctt 300
ccattcaacc aactagctgc attgaactct gcttcttatt tgcaacaaca acaactacca 360
ttcagccagc tatctgctgc ctacccccag caatttcttc cattcaacca actgacagct 420
ttgaactctc ctgcttattt acagcagcaa caactactac cattcagcca gctagctggt 480
gtgagccctg ctaccttctt gacacaacca caattgttgc cgttctacca gcacgctgcg 540
cctaacgctg gcacctctt acaactgcaa caattgctgc cattcaa 587

<210> 9775

<211> 530

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-G3

<400> 9775

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ttctccaata ccttttgggt cgacggggcg gcatccatca cgcaccaca tctgccatct 180
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ttcatttctc gacacttatc atcttactc attcactcca tcacctgct ctatctaacc 300
ttctcctc ctctatcat cacctatttc ttctattcat cctctctgc ttattgaact 360

ctncttcttt tttttcccat caaccaatac cattcactca tcttcttnt tcttaccccc 420
 ttcactttct tcccttcaac caactttcat cattcaactt ttcttcttat ttacattatt 480
 nccttctact acctttcaac catctacctt ncttcatccc ttctacctta 530

<210> 9776

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-H1

<400> 9776

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 atatctgcat gaaagggttca gccttcaatc atccatcggg acatcagatc aagcaatgta 180
 ctgctgtttg aggatttcaa ggcaaaaatt gcagacttta atcttttgaa ccaagcacca 240
 gatatggcag ctggtctcca ttcaactcgt gtattgggga cttttggata tcatgctcct 300
 gagtatgcta tgactggcca gctgacacaa aaaagtgatg tctacagctt tgggtgtggtt 360
 cttttggaac ttttgactgg aaggaaacca gtagatcaca caatgcctcg aggtcaacaa 420
 agtttagtca catgggctac tccaagggtta agtgaagaca aggtgaagca atgtgtagat 480
 cccaggttga agggagaata tcttccaaag ggagtcgcta agcttgctgc agtggcagct 540
 ctatgtgcac agtacgaagc agagttcagg cccaacatga gcacgntgt taaggcgctt 600
 tcgctctccc ttcaac 616

<210> 9777

<211> 626

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-H4

<400> 9777

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ctcgctctcc tggctctcgc tgcgagcgcc acctccacgc atacaagcgg cggctgcggc 180
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 ctgccacctc cgggtgcatct cccaccgccg gtccacctgc cgccgccggt ccacctgcca 300
 ccgccgggtcc atgtgccgcc gccggttcat ctgccgccgc caccatgcca ctaccctact 360
 caaccgcccc ggcttcagcc tcatccccag ccacacccat gcccggtgcca acagccgcat 420
 ccaagcccgt gccagctgca gggaacctgc ggcgttggca gcaccccgat cctggggcag 480
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 tgccagtcgt tgcggcagca gtgttgccag cagctcaggc aggtggagcc gcagcaccgg 600
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<210> 9778
 <211> 596
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-068-Q1-K6-H5

<400> 9778

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 atgtcacaa gctcctatag ctctccttct tccccatac ctctcaccag cgggtgtcttc 180
 aatgtgtgaa accccaattg ttcaacccta caggatccaa caggcaatcg caacaggcat 240
 cttaccatta tcacccttgt tctccaaca accgtcagcc ctattacagc agttaccttt 300
 ggtccatttg gtggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 360
 ccttgctgca tactctcagc aacatcagtt tcttcattc aaccaactgg ctgcattgaa 420
 ctctgctgct tatttgcaac aacaattacc attcagccag ctagttgctg cctaccccca 480
 gcaatttctt ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca 540
 acaactacta ccattcagcc agctagctga tgtgagccct gctgccttct tgacac 596

<210> 9779
 <211> 96
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-H6

<400> 9779

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<210> 9780

<211> 285

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9780

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cctcatgctc acaagctcct atagcttccc ttcttcccc ataccttcca tcaatgatag 180

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<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<210> 9782

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-069-Q1-K6-C1

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<210> 9783

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-069-Q1-K6-C6

<400> 9783

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<210> 9784

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-069-Q1-K6-D4

<400> 9784

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<210> 9785

<211> 164

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-069-Q1-K6-F1

<400> 9785

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<210> 9786

<211> 525

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-069-Q1-K6-F6

<400> 9786

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<210> 9787

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9787

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<210> 9788

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-069-Q1-K6-H3

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<210> 9789

<211> 421

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 9789

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 <223> unsure at all n locations
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<400> 9790

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<211> 296

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<211> 545

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-A9

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545

<210> 9793

<211> 490

<212> DNA

<213> Zea mays

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<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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 <213> Zea mays
 <223> unsure at all n locations
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<210> 9796
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<210> 9797

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B4

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<211> 538

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B5

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<210> 9799

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B7

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<210> 9800

<211> 579

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B9

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<210> 9801

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C10

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 gtatagacag ttggttgaat ggaagaaatt gttgttgctg agagtagggg gaaagggttg 480
 ccagagctac ttggctgac actggtagca cgagttgctg caactgttct gccctgatgg 540
 tttgtaccaa tgactgcacc aaagatgggc tggcgattgt tg 582

<210> 9802

<211> 323

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-N6-C11

<400> 9802

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gggggggggg ggttgggggt gttttggtgt gggggggggg ggggggggat gggttatatt 120
tggtggagag gggggaagga tggggggtgt gggggggggg gggggggggt tggnnntaan 180
tggtggtggg tggggtagga aggttggttg tgtgtggggg gggggggggg tggtggtggt 240
ttttgggggg ggggtggggg tttgggggtg tgggtggggg gggggggggg tggggggggg 300
ggtggggggt gggggggggg ggg 323

<210> 9803
<211> 575
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C4

<400> 9803

aggaaatgta ctttcttatt tctggaagc cacaaatatt agcaaaaaaa ctttattatt 60
gaactataac tcataagcaa tctaaaaggg gcaccaccaa tgatgggttg ttggtagaac 120
actgctgggt ttgtcaaagc aagttggtcg aatggcagca attggtgcag ttgtaagagg 180
gtgccaacgt taggcgcagt gtgcaggtag aacggcaaca aatggtgctg tgtcaagaag 240
gcagcagggc tcacagcagc tagctggctg aatggtagta gttggtggtg ttgtacataa 300
gcatgagagt tcaatgctgc cagttggttg aatggaagaa attgccgggg gtaggcagca 360
gctagctggc tgaatggtag tagttgttgt tgctgcaaatt aagcagcaga gttcaatgca 420
gctagttggt tgaatggcag aaactgttgt tgctgagagt aggcagcaag gtttgctagc 480
acgagttggt gtagttgttg tgccctgatg ttttggtcca acaaatgcac caaaggtaac 540
tgctgttgct tgagagtagc agcaagggtt gctag 575

<210> 9804
<211> 569
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C5

<400> 9804

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attattgaac tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg 120
gtagaacact gctgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
taagaggggtg ccagcggttag gcgcaacgtg ctggtagaac ggcaacaact gtggttggtg 240
caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
taaataagca ggagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta 360
ggcagcaggt agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa 420
tgaacctagt tgggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc 480
tagcacaagt tgttgtagtt gttgtgccct gatgttttgt gccataaat gcaccaaagg 540
taactgttgt aatagggctg atgattgtt 569

<210> 9805

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C6

<400> 9805

atcgagaaaa atgtcaatca atatattgat tatttctagg aaacacatgc cggtatgagg 60
gcaccattat cgattacatc tcatatgtaa tctaaaagag gcacctccaa cgatggggtg 120
ctgccacgac aaggcaggggt tcatcaaaga gaactggctg tatggtagca attgttgctg 180
ctgtaggaag gcagtgacca atgggttagg cactgctagt ggattaagta actgttgctg 240
ctgttgtagg tacgcagcag agttcgacac agtcagttgg ttgaatggaa gcagctgttg 300
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caattgttgt tgcaggtatg taggtgcatt acccacaacg agaggggctag atgaaagcag 420
ttgttgctgt tgtaggtagg cggcaggggt caccatggct agttgactga gcgctggcag 480
aaactgttgc aattgttggtt gttgttggtg tgcagctacg tttgccagaa gcaagtgggt 540
ggatgcaagc acctgctggt gcaagtaggc g 571

<210> 9806
<211> 499
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C7

<400> 9806

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gcaccattgt cgagtacatc tcatatgtaa tctaaaaaag gcacctccaa cgatggggttg 120
ctgcaaggca gggttcatca aaaagaactg gttgtatggc agcaattgtt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
ttgtaggtac ccagcaaagt ttgacacaac cagttgggtg aatggaagca actgttgtaa 300
gtaggcagca gggtttgcca cagctagctg agtcaaagct ggtacaattt gttgcaacaa 360
ctgttggttg aggtacctag gtgcattgcc caccgcgagc gggctaaatg aaagtagttg 420
taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actgttgcaa 480
ctgttggttg tgctgggtat 499

<210> 9807
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C8

<400> 9807

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gccttcaa at tgggtccatgg ggacaaacaa attttttgca aaacaattgc caaataaggg 120
ggggctacat tctacaattg gcatgtacag cccccctacc tccaatttta gggttactaa 180
aagcagttag ggtggcagtt acaaagggtt taatttatgc cccaaccca agttcaaaaa 240
tgtcacacaa cataaagggc catcacaagg gtggcctttt tttcaccttt tgggggtaca 300
atttatcaag ggcgtcaacc atggccttgc ggaatgcatt cttgtggagg aaaa 354

<210> 9808
<211> 399
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-N6-D10

<400> 9808

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ttttgtgggg gggggaagag ggggtgggggg gggggggggg ggtggtgggg gaaagggagt 120
ttttgttggg gtgtcccggt ggaagcacga gtaggggggg ggagcccgga aaatgggggg 180
gggggggggg ggtggaattt tgccgcgggg tttagggggc gggaagtggg taaatgggag 240
aagggaaggg gggggggggg tcctttcttgt tttttttgtg gggggggcga ctaggtgggt 300
tgggtttaag agagccccct ttgttgcggt gtttttttnt tttgggggtg ggtttttgtg 360
tgtgggggtt taaggcgggg ggggggggtg gggggggccc 399

<210> 9809

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D11

<400> 9809

aacgaacggc aggtgttttg gatagagtac cactaccagg gtacagaagg agcgaaaact 60
acagcccaaa acaaggggcc ggaatgaagt taaacacaac gggaggctac tagtttaaca 120
agttttattt ttatcgctca tcgaccatgc acggacgcca cagtaggggg cggcacgtag 180
gggcgggcgc gcgccacggc atcacatgat cacatcttcc cctggcgatg cacgcaggac 240
gagccggcgc aaccctccac gcacttttcg acgcactggg ccacccgctc cgccgcacgc 300
tgctgcatca gccggtcctt ctctcgaag tacaccgaag ccgccttttc cgccgcgcgt 360
tccttcgccg tgcgcttgct ctgcgccccc agccggacgt tgacgtgctg accttgcccc 420
agcgtcagct tctccttgat cgcgcccgct acgttcccca gcgccccag cagaccttgt 480
ccctgctccc tatcagtgtc ctgagtgtg gccgtctc 518

<210> 9810

<211> 349

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D2

<400> 9810

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ggttttcaac ttttttagcaa tttaaaaaat gggcccccca attttttttt tttggggaaa 120
gggttttggg ttttttaaaa aaaggtgggc aaaggggggc ccctttttcc tttttaaaag 180
gggtgggggg tttgccccaa aatttttggg gaaaggaagc aatttttttt tttttaaaaa 240
agaaaggggg gttttttttc cttgctggcc aaatgggggt tgttttttgt gggggaaata 300
aaccgggggg ttttcggggg cccttttttt taaaggaaaa aatttttttt 349

<210> 9811

<211> 72

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-D3

<400> 9811

ggcttatgag cacatgcatt tctaccaggg gtccaactta aaattgggtc acattttcaa 60
cacagnaaac ct 72

<210> 9812

<211> 149

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D5

<400> 9812

atgagaactt tattattaca gtataaagca taaaaaatct agaagaggca ccaccaatgg 60
tgggctgctg caataagggtg gtaggattcg tcaaagcaag ttggttaaat ggcagcaatt 120
gttgttgttg taagaaggcg acattgttt 149

<210> 9813

<211> 162

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D6

<400> 9813

gatcaaaaca ttgtcaaaac ttatcaacag gttatgttac cacaatgcc accaatttaa 60
tcgggcataa gcaccggacc ggaccacaca gtttaacggt gacattgctc tgacgctagg 120
ctcaggtcct gagtctacag aacactatag cttgtgcacg gg 162

<210> 9814

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D7

<400> 9814

aaaaagtact tttttttttt tgggggcccc caaacattat tcaaaaaact ttatttttgg 60
actttttactc ataagcaatt taaaagaggg cccccccaat ggtgggttgt tggtagaaca 120
ctgttgggtt tgtcaaaaca agttggttga atggcaacaa ttgttgcagt tttaaaaggg 180
tgccagcggt aggcattgcg tgcaggttga acggcaacaa cttttttttt tttaaaaggg 240
caacagggct cacattaact agctggctta atggtaatag ttgttgcttc tttaaataaa 300
cagcaaagtt caatgcttct tgttggttga atggaaaaaa ttgcttgggg taggcaacaa 360
ctaactggct taatggtaat tgttgttgca aataaacgc aa 402

<210> 9815

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-E8

<400> 9815

aaatgcaatc cttaacttaa ttcactgcac ttctcaatat tataattctga ctacaaagaa 60
ccgcagcgca tagacacaac cttattaagt tgagagaaaa aaaaacatgc atctttaacc 120
ttataacttg cgatgtaaaa acggaatatc aaaagtgcta aaacagagaa agtttcgcct 180
gtaaaaacgg aatatcaaaa gtgatttcgc ctgcgctaagt tcccttcttc taaccgaata 240
taaatacggg acccctcagt aagtcctcat ctataactcc cggcagagtc caacatttgt 300
ggttgtccaa aactttcata gcatgccaga ctgcagcctt aacttgccca gtctttaccg 360

acgacctcca ggctttcttg caggcggggc ctgctcgcc tcgtccgatt caacatctcc 420
gtactgccaa atccgcagcc tttcttctt tgccttgcc tggaactgtt c 471

<210> 9816
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-F10

<400> 9816

agggtgacag attttgttga tccaaagcag gtaatggaaa tacaaagggt cataaaaagg 60
gttgctgcaa cttttagggc agcttataac agtacatact agcagcacia atggtcaaag 120
aacaacatgc caaactaccc attttgcgcc cgaacccttg actttctgta aaacgggttt 180
taccatacca aggttacacg atccattgat gcaataccat tgtaggttct tgttttgtaa 240
acccaaacc agcccatcta tatgacaaac ccacgttgga tgggtgcatt tttcaagatc 300
accacgattc caaaccttat gtagtaccct ttttcgggt gaacaacctc ttggatgccc 360
ttactgtttg ggatcaccac gtttttccca atcctagcat tcatgtcaaa gatacaaacc 420
cttatttttg ggttccttc 439

<210> 9817
<211> 272
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-F2

<400> 9817

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ttttttggtg gccattctct ccnaacttt ttttggttca ctttagcttc taaggggccc 120
ccaatgatgg tgtggtgggg ccgttggtg caagcagttg gctgggctca ttgtgtgttg 180
tgagggtgtg ggggtgctgt atgtggtgtt ggggttctgt tgtggttttg ggggcccgtt 240
tgtgctgttg tgcttttggt gtggttttgt tg 272

<210> 9818

<211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-N6-F3

 <400> 9818

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 atttcaactt ataagcaatt taaaaaaggg gacccccaaa aatttggtgt tgggagaagg 120
 gtgctgggtt tgtcaaaaca aggtgggcaa agggcgcaat tggtgagtt gtaaaagggg 180
 gccaaaggtt ggggcaacgt gctggttgaa cggaacaac tgggggtgtg tcaaaaaggg 240
 ggcaggggtt acaccaacta gctgggtgaa tgggggtagt tggtgctgct ggtaataagc 300
 cggaaagttc aatgctgcta gttgggtgaa aggaaaaaac tgtttttgct 350

<210> 9819
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-N6-F6

 <400> 9819

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 ccccttttcc ggggtcccc ctttgggaac caaaaaaggg ccccccaac catgggttgc 120
 tcctgtggga aggcaccccc caaggggtta cccccctg ggggataaag aaaccgtggc 180
 ccctgtggta ggccccacc aaagtcccc ccaaccagtt ggtaaagtgg aaatagttgt 240
 tccaagtagg caccaggggt tccccacct agctgagaaa aacctggtcc aattggtggc 300
 accaccgtg gtggcaccac ccgttgttgc aggttttttag ggccattgcc caaagcgagc 360
 gggctaaata aaaaaattg ttcctgttgc aggtaggcaa aagggtccac catggctagt 420
 tacctgaccc ctg 433

<210> 9820
 <211> 585
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-N6-F8

<400> 9820

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gcaccattat cgagtacatc tcatatgtaa tctaaaagag gcaccaccaa cgatggggtg 120
ctgccacgac aaggcagggg tcatcaaaga gaactgggtg tatggcagca attgttgctg 180
ctgtaggaag gcagcgacca atgggttagc caccgctagt ggattaagta actgttgctg 240
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caagtaggca gcaggggttg ccacagctag ctgagtaaga gctggtacaa tttgttgacg 360
caactgttgt tgcaacaact gttgttgacg gtatgtaggt gcattgccca tagcgagcgg 420
gctagatgaa agaagttgtt gctgttgtag gtaggcgata gggttcacca tggctagttg 480
actgagcgtt ggtagaaact gttgcaactg ttgttggttg ttgtatgcag ctacgtttgc 540
caaagcaagt gggttggatg caagcagctg ttgttgcaag taggc 585

<210> 9821

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G10

<400> 9821

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caaaaatctg gagttacgat ttttcgaata cgaacagcat tgacatctca ttagatggac 120
tatcatcttt agcatgaaca tccaagtgtt tattcgaaag ttaagaagaa tcggcgacaa 180
atagattgcc tggttcagga agagctatca tccatctact ctacacgcca taaagcttgt 240
ttaaaccata ggccatggag acaaactagt cctccagaat gacgaagcag ctcaactttg 300
aaaatgggtca gttggaatat gtatttagct taaaacacat gtgccttttt gccagtaatg 360
at ttgagaaa tgtgaagtcc cctgctgaaa gcttcattga acaggatcct tgtttgcatt 420
ttctgaagcc c 431

<210> 9822

<211> 420

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-N6-G2

<400> 9822

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gggggggggg gggggggggg ggggggtggg gggggggggg gggggggggg gggggggggg 180
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ggtgggggtg gtgggggggg gttggggggg gggggggggt ggtttntttt ntgggggggg 360
gggtgggggg gggggggggg gggggggggg tgtgggggtg tggggggggg ggggtggggg 420

<210> 9823
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G4

<400> 9823

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cttttgggtt tgtcaaagca agttggttgg atgggggcaa ttgttgccgt tgttagaggg 180
ggccccggtt tggggcccg tgcttggttg acggccacca ttgtggttgt ttttagaagg 240
gtgcaggggt tccaccgct tgctggctta atgggtgttg ttgttggtgc tgttaatttg 300
ccggggagtt caaagctgtc agttggttga atgggcgaaa ttgctgggg 349

<210> 9824
<211> 284
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G5

<400> 9824

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acccttggcg agttcatctc atttgaatc taaaaaggc accccaacc atgggggtgct 120

gcaaggccgg ggccctcaaa aaaaactggg tgggtggcag caattgttgt tgctgctgca 180
ggaagggagc gaccaatggg gtagccaccg ccaatgggtt aaagaaccgg gggccccgcc 240
ggaggtaccc aagagagttt ggcccccccc gttgggtgaa tgga 284

<210> 9825

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G7

<400> 9825

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cgcgcgcaac cagaaacatt cccttggtgg tgactggtga ggacgaccgc gcgcgttggg 120
agggcgagc ctcagtgtt gcttattcca ggagctaccg ctacggacat ggcgccatct 180
atagagcaga gtggaacaga atctccgcca gttcctgttt gccggacgga acagtgggct 240
caccctactc aaggaccttc ttctctagcg cctcaaagtc tcctttccca gcctcgatca 300
aggcaccaat ctactatca aagctctggg accgcttgcg gacgagagca tctagggaac 360
catcctcgat cagcttggcg gcgttgcgga ggccacgggc cagggtgtcc attccggaga 420
tatgagcaag aaacaagtcc tcaacatcag tgctttccct ccgcaatttg gcgtcaaagt 480
tgaagccacc aggtgcaagt ccaccattct taaccacagt tgacataacc aaagtagcct 540
ctgcaatgtc tgtcatgaac tgat 564

<210> 9826

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G8

<400> 9826

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tggtgggttt gtcaaagcaa gttggttgaa tggcagcaat tggtgcagtt gtaagagggt 180
gccagcgta ggcatacgct gcaggtagaa cggcaacaac tggtgttggtg tcaagaaggc 240

agcagggctc acatcagcta gctggctgaa tggtagtagt tgttgctgct gtaaataagc 300
 agcagagttc aatgctgcta gttgggttgaa tggaagaaat tgctgggggt aggcagcaac 360
 tagctggctg aatggtaatt gttgttgcaa ataagcagca gagttcaatg cagccagttg 420
 gttgaatgga agaaactgat gttgctgaga gtatgcagca aggtttgcta gcaacaagttg 480
 ttgtagttgt tgtgccctga tgttttgtgc caccaaattg accaaaggta actgctgtaa 540
 tagggctgac ggttgttgga ggaacaaggg tgataatggt aagatgcctg ttgcgattgc 600

<210> 9827

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G9

<400> 9827

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 ttcccaaata tcatgaatca gtagtagggc ggaatggcag cggagacgcc acaggggttg 180
 gtgcggtagc tgggcagctg gtactggtag agtccacca tggccggcat gttctgcgcc 240
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 agagctggct cgtacaggct gctgctggcg gcagcggcac gctcaagctg catcatcatc 360
 tgcagctgct gcgcgacgga ctgcacgtcc atcatcctca tctgctgctg gcagcactgt 420
 tgccggagcg gctggaacat ggcgctcggc tgccacacac cggcgttgta gggcgccgcc 480
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<210> 9828

<211> 322

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-H12

<400> 9828

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ggtgttgggg gggggggttg gggggggggg gggggggggg gggggggggg gggggggggg 120
 ggggtggtggg gggggggggg gggggggngg gggggggggg gggggggggg gggggggggg 180
 ggtggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 240
 ggggggtggg tggngggggg gggggggggg gggggggggg tngggggggg gttggggggg 300
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<210> 9829

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-H7

<400> 9829

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 ctataactca taagaaatct aattttgggc accaccaatg atgggttggt ggtagaacgc 120
 tgctggggtt gtgaaggcag gttggttgaa tggcagcaat tgttgccgtt gtnagagggt 180
 gccagcgtaa ggcgagcgt gctggttgaa cggcaacaac tgtggttggt tcaagaaggt 240
 ngcagggttc acaccagctn gctggctgaa tggtngtngc tgttgctgct gtcattcngc 300
 cggngtggtc aatgctgccc gttggttgag tgggagaaat tgctggggg 349

<210> 9830

<211> 694

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-A1

<400> 9830

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 gggggggggg ggggggggg gggggnggg ggggggggg gggggaggg nnnnggggg 180
 gggggggggg gggggggann nagggagagg ggggggggg ggggggggg ggggggggg 240
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gggggagggg aggggngggg gggggggggg gggggggggg gggggggggg aggggggggg 360
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 ggggggagggc gggggggggg gggggggggg gggggggggg ggggaggggg aggggggggg 480
 gggggggggg ggaggggggg gggggggagg gggagggagg gggggcgggg ggcagggggg 540
 gggggaaagg agngaagg gggggggggg gggggggggg gagggggagg ggggaggggg 600
 ggggaggggg gangaagg gaaagaagg gggngaagag ggggggggag gggggggggg 660
 gaggggaggg gggggggagg gggaaggggg gggg 694

<210> 9831
 <211> 66
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-N6-A2
 <400> 9831

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 gggggg 66

<210> 9832
 <211> 342
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-A4
 <400> 9832

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 gggggggggg gggggggggg gggggggagg gggggggggg ggggggagg gggggggggg 120
 gggggggggg gggggggggg ggnngggggg ggggggggag gggggggggg gggggggggg 180
 gggggggggg gggggggggg gggggggggg gggagggagg gggggggggg ggaggggggg 240
 ggggggaggg gggggggggg agggggggga ggganggggg gggggggggg gggggggggg 300
 gggggggggg gggggggggg ggggggggag gagagggggg gg 342

<210> 9833
 <211> 174

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-A5

<400> 9833
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 ggggcggcac aaccacaggc agccgggggg gggggcgacg aacaggggaac cagcgccgga 120
 cgcggggcac cacnncggga agggcagggc gnaagccgcg gcgggcccgcg accc 174

<210> 9834
 <211> 253
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-N6-A9

<400> 9834
 gggggggccc gtggttactt gggttttttc cttaaggggt tcctttttta ttcggggcac 60
 ggggtttttt ccccatattg tttttaacca aacgccataa ccaatttttg gaaaaaaaaag 120
 gtccttttgg tctaggtga attacttttg gggggggggg cttaaggggg taaaaataaa 180
 cttttttaac gcgggtttta accaagttaa gtttcctttt tgggggggaa caaaccaaca 240
 cttggggaat ttt 253

<210> 9835
 <211> 382
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-N6-B1

<400> 9835
 ggaaattaac ttcttatttc taggaggcca catacatcag ccaaaaaact tcattattga 60
 attacaacta ataagcaatc taaaagaggc accgccaatg atgtgttggt ggtagaaggc 120
 tgctggggtt gtcaaagcaa gttggacaaa gggcagcaac tggtgcagtt gtaagagggt 180
 tgcgggggta gccacaaact gctggtagaa cggaagcact tggtgttggtg tcaagaagga 240
 agcgggggctt gttgtagcta gctggccaaa tggtagtagt atttgctgct cgaaataagc 300

agaggggttc agtgcgccca attgggttaa tggaataaat tgttggtgct gagagtatgc 360
agtagctagc ttgctgaatg gt 382

<210> 9836
<211> 586
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B10

<400> 9836

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cacaacagcg ggtgaccgta gaggggtcact tgaattttgg ggagagcaac tctagtccac 120
ccatataggg tcttagtggt tctggaacca caatcgaccc atcgccctgc tgaaaattct 180
ctagaatgca aactatcaga cgaggcaccg ccactgctgt agcgttgagc gtgtggacga 240
actgcgtagg gcctgaggca gctcccttcc ctttcttggt gctcgttgat ggaggctccg 300
aggggtgatg gcggtaacgg atgcctagtc gcctactttg gtagtcggta caatttgatg 360
cactggagat ctcaccataa cgctctaggg cgggcatcca cgctcgata tcaaatttcc 420
ggtaggctgg tgcaccaga tccccagttg ccatgtccag agttttgaaa tgaagtccaa 480
gtgatgcata aagatcctct tcaattgtaa taagttcttc atgccatttt ccactctcct 540
ctggccgaca gaatatgaac atctcaacct tgctaaattg atgtac 586

<210> 9837
<211> 533
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B11

<400> 9837

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aattacaact aataagcaat ctaaaagagg caccgccaat gatgtgttgt tggtagaagg 120
ctgctggggt tgtcaaagca agttggacaa agggcagcaa ctgttgacgt tgtaagaggg 180
ttgcgggggt agccacaaac tgctggtaga acggaagcaa ttgttggtgt ttcaaaaagg 240
aagtggggct tgttgtagct agctggccaa atggtagtag tatttgctgc tggaaataag 300

cagaggggtt cagtgcggcc aattgggttaa atggaagaaa ttgttgctgc tgagagtagg 360
 cagtagctag ctggctgaat ggtagtagtt gttgttggtg taaataagca gcaggggttca 420
 gtgtagacag ttggttgaat ggaagaaatt gttgttgctg agagtaggga gaaaggtttg 480
 ccagaactac ttggctgata actggtagca cgagttgttg cagctgttgt gcc 533

<210> 9838

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B2

<400> 9838

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 cggatagccg aaattccatc cgaaccagta ttcaccatct tcgagtatgg atctggacgg 120
 atattttctg aatcatatta catccctagc tccaaatcga tatactccta gacgaacgaa 180
 ttggtctgtg gaaacgattc ttgtactgtt tccgtcattg tatacggcag ccttggttcgg 240
 aatcacggag tagctccaaa tcgatatact cctagacgaa cgaattggta cgtggaaacg 300
 attcttgtag tggttccgtc attgtacacg gcagccttgt tcggaatcac ggagtagctc 360
 caaatcgata tactcctaga cgaacgaatt ggtctgtgga aacgattctt gtactgtttc 420
 cgtcattgta cacggcagcc ttgttcggaa tcacggagca aactgatgct actagaaatt 480
 ctctccctag tgtcggaag gcgtaacgta tctaatttat ccgagggcct caaacttata 540
 aagttggcta gccagaaact aaatttttcc gggtcctgtg gc 582

<210> 9839

<211> 185

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B4

<400> 9839

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 gtagtctct ttaggatact attagcaatt aaactatgtt tcaggctatt attacaagcg 120
 caggtgacac accacggtag cacgccatct tattcagtag actacagttc atttgtacac 180

ctgta

185

<210> 9840

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B9

<400> 9840

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gggggacgta cgtacaaaaa cacgcggttg ttaaaaggcc ccttctaga ccgacgatcg 120
aacgcttaaa cacacgacga cgatacaatt gggcataaaa aaccggccac acccttggtt 180
ttcatgcatg gacccatgga ctggctgcaa cccaatcaac gggaaccca gccggccgtt 240
gggcaaacaa ataaagggca gggcgggggg caaaaacagg ggggggggaa gccccggaac 300
ctgcccccg ggaacccctc ggtcctgcaa actttggccc aattggaccg ggggaggcag 360
gggccccgaa acctggggct ttggaactgg aaagtctggg cctccgccac cgacaccggc 420
ccaacctttg gg 432

<210> 9841

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C12

<400> 9841

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aatgtgtggt atatgacgtg ccaaagact agctcagcta gaggtttcag aaggttctac 120
ataacagaaa aactgcaagt taaaatacag taaaaacagg ggaaagagtt tccaccttgt 180
ccccaggaaa ttactccgag tgacatggca tgtcaagcac ttcagtactg ccattaaaca 240
cattatagaa tctagacctc tgcagcatcc tcatgtgcta cttctagccc tgcgctctgg 300
ctagcaagcc agacaatgat acgggggttg tcttcatttg ctcttgagct tgcttcatct 360
cctcaggatc tatgttctcc atcatcttgg gcatacaaaa gaccattaag accataaaac 420
caaccatcaa ccccatggga ctcttcaaaa gtgacatga 459

<210> 9842
<211> 577
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C3

<400> 9842

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ctgctggggtt tgtcaaaagca agttgggtga atggcagcaa ttgttgcaat tgtaagaggg 180
tgccagcggtt aggcgcagcg tgctggtaga acggcaacaa ctgtgggttgt atcaagaagg 240
tagcaggggtt cacaccagct agctggctga atggtagtag ttgttgctgc tgtaaataag 300
caggagagtt caatgctgcc agttgggtga atggaagaaa ttgctggggg taggcagcag 360
gtagctgggtt gaatggtagt tgttgttgtt gcaaataaga agcagagttc aatgcagcta 420
gttgggttgaa tggaagaaac tgctgttgcg gagagtaggc agcaagggtt gctagcacia 480
gttgtttagt ttgttgtgcc ctgatgtttt gtgccaataa atgcacaaaa ggtaactgat 540
gtaatatgggc tgatgattgt tggaggaaca ggggtgat 577

<210> 9843
<211> 550
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C4

<400> 9843

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ttagcttgac aagttttttt tggacaatac taccaaakat gttcccgttg taatgcacag 120
aaaatctagt agttttatttg tcccacatta aatgttgacc accacatcat tacgaatttg 180
aaatggatga ctatgaaatt tgcgcagtct gccggtagca atgaacaggg cattgcctaa 240
ttgttgatca ggtttatatg gacacaccta aatgtagttg cagggactct cactttgtcc 300
attgctcaaa aacgagtttc tggccaccat tttttccaag cacctggcgc tgtcaacccc 360
gtccccacgg ttatgcagtt ggaatgactt atttccgtcc attgctcgaa aagatttttg 420

ccccccgcca ttcttccaag cacctcgcg tggaaccct gtctcagggc cttgcaattc 480
 cctttctgaa cgttcagggc ttgcacttgg acgacttaaa tcaagtgtgg ctaatgagtt 540
 gtcacctaaa 550

<210> 9844

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C7

<400> 9844

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 ggcaccatta tcgagtacat ctcatatgta atctaaaaga tggcacctcc aacgatgggt 120
 tgctgccaca acaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgc 180
 tgctgtagga aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt 240
 cgctgttgta ggtacgcagc agagtctgac acagtcagtt ggttgaatgg aagcagctgt 300
 tgcaagtagg cagcaggggt tgccacagct agctgagtca gagctggtac aatctgttgc 360
 agcaactggt gttgcaggta ttaggtgca ttaaccacag cgagagggct agatgaaatc 420
 agttgttgct gttgtaggta ggccggcagg ttcaccatgg ctagttagact gagcgctggg 480
 agaaactggt gcaattgttg ttgttgttgg tatgcaacta tgtttgccag agcaagtggg 540
 ttggatgcaa gcaactgctg ttgca 565

<210> 9845

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C9

<400> 9845

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 gaatctggaa atgtaacttc ttatttctgg ttggccacat acatcatcca aaaaacttta 180
 ttattgaatt acaactaata agcaatctaa aagagggcac caccaatgat gtgttgttgg 240

taggaggctg ctggggttgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 300
aagaggggttg cgggggttagc cgcaaactgc tggtagaaag gcagcaactg ttgctgtgtc 360
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aaataagcag cgaggttttag tgcggccaat tggttaaatg gaagaagttg ttgttgatga 480
gagtaggcag tagctagctg gctgaatggt aatagttggt gctgcaaata agcagcaggg 540
ttcagtgtag atagttgggtt gaatgga 567

<210> 9846

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D1

<400> 9846

cgctgaatga atctaattaa tcaactaccgg caaagcaaca gatctttaca cacagttttg 60
caaaaccatc catttgtttg cactactgct gatgacatga aggggaataag gggactagat 120
ggtgccaatg atcaggcctg gctgctgcag ccgctggacg cgctgtgcgt gggggcgcgg 180
ccgacggact tctccattgc ttctcgtggc tgggtttcca cggtgccgt 229

<210> 9847

<211> 424

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-D11

<400> 9847

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gtgcaaaaacc atggatatac ttattctaag gaggagagga taaaagagt aatacagccg 120
ttacaacaga ttctgggtgt ccatatcctg atcgctctac tgtactgtac atatatctct 180
gtggagagaa aaaggggttac acttcatcta agctcactgg tagagtttgt ccttccaatc 240
gcacttggtt ctccaatcga aacagatgct aatgatttgg aggcccaagc ggtagcgttc 300
attgccccct cctgcagatt tctcgtctc gaacttgaag ggtatagccg atgaaacttc 360
tgtcttcctt gctcaaggta ggtgaggaaa tattcatgtg ccccatcaa gtttgcaaac 420

agat

424

<210> 9848
<211> 447
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-095-Q1-N6-D12

<400> 9848

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aattgcaaac accactaatg tcattgctgc tgcattggatt attttggtcg tatgagtgg 180
tcatggcgctg cgtggatggg nggtnttgtg ctgctgtcaa aattgccacc gcactttgag 240
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tttgaaccat gttgtggatt gtcggtgag tgtcttgggt ctcaatctgc ctgtgggtctt 360
gaccccatg gtgctgccct tcctggctgc tgcttgggtg tttttaacgt gattggggaa 420
aaggcctttc tcgtgggctg ccttgc 447

<210> 9849
<211> 229
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D2

<400> 9849

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gcgccgttgt cgagtgcagc ccatgtgtaa gctaacagga ggccccacca acgatgggtt 120
gctgccgcga caaggcgggg ggcattcaaag agaactggcc gtctggcagc cattgttgct 180
gctggcggaa ggccgtgacc actgggttag ccaccgctg tggattaag 229

<210> 9850
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D3

<400> 9850

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gttggggggg gggggccggg gggggggggg gggcgggggc gggggggggg gggggggggg 180
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cggggccttg gccctggggt tgcgccctct cctcgccctt cttggggggg gacgtttcgg 300
gccgcttttg cccgggttgg ttgcgccgcc cgggggggga ttttgcgggg gcgcctttgg 360
gggtgggggg gggg 374

<210> 9851

<211> 176

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D5

<400> 9851

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actttattat tgaattacaa ctaataagca atctaaaaga gggcaccacc aatgatgtgt 120
tggttgtagg aggccgctcg gtctgtcaaa gcaagttgga caaagggcaa caattg 176

<210> 9852

<211> 543

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D7

<400> 9852

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gtcgagtaca tctcatatgt aatctaaaaa aggcacctcc aacgatgggt tgctgcaagg 120
cagggttcat caaagagaac tgggtgtatg gcagcaattg ttgttgctgc tgcaggaagg 180
tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tggtgtaggt 240
accagcaaaa gtttgacaca accagttggg tgaatggaag caactgttgt aagtaggcag 300

cagggtttgc cacagctagc tgagtcagag ctggtacaat ttgttgcagc aactgttggt 360
 gtaggtacct aggtgcattg cccaccgcga ggggctaga tgaaagtagt tgtaggtaga 420
 cggcagggtt caccatggct agttgactga gcactggcat aaactgttgc agctgttggt 480
 gttgctggta tgcagctacc ttcgccagag caagtgggtt ggatgcaagc agctgctggt 540
 gca 543

<210> 9853

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D9

<400> 9853

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 tgggttgctg cctcgacaag acagggttta tcaaagagaa ctggttgtat ggcagcaatt 180
 gttgctgctg taggaaggca ggcaccaatg ggtagccac tgctagtga ttaagtaact 240
 gttgtcgtg ttgtaggtac gcagcagagt tcgacatagt cagttgggtg aatggaagca 300
 gctgttgcaa gtaggcagca gggtttgcca caactagctg agtcagagct ggtacaatct 360
 gttgcaacaa ttgttgttgc aggtatgtag gtgcattggc cacagcgagc gggctagatg 420
 aaagcagttg ttgctgttgt aggtaggcgg cagggttcac catggctagt tgactgagcg 480
 ctggcagaaa ctgttgcagc tgttgttgtg gctggtttgc aactacgttt gccagaacaa 540
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<210> 9854

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E1

<400> 9854

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 ttcgagaaaa atctcaacca atatattgat ttttctagg taaaacatgc cggctctgagg 120

gcaccattat cgagttcatc ttatatgtat atctaaaaga tggttacctt caacgatggg 180
 cttgctgctc tcgacaagta caggatttat taaagagaac cggttgtttg gcagcaattg 240
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<210> 9855

<211> 579

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E10

<400> 9855

agaaatgtac tttcttattt ctgggaagcc acaaacaatca gacaaaaaac tttattattg 60
 aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
 gctgctgggt ttgtcaaagc aagttggttg aatggcagca attggtgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tatcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcaggagagt tcaatgctgc cagttggttg aatggaagaa attgctgggg gtaggcagca 360
 ggtagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagagtt caatgcagct 420
 agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
 agttgttgta gttgttgctc cctgatgttt tgtgccaata aatgcaccaa aggtaactga 540
 tgtaataggg ctgatgattg ttggaggaac aagggtgat 579

<210> 9856

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E11

<400> 9856

attcactgaa aaaaaaccgg acccccttca acaagggcac cgggggaacg acccgggaaa 60
 gggacccggc gggggggggg gcgaacggcc cagacaaagg agcgggcccc aagcccaacc 120
 caaaagcaca aggcacagcc cagcaccagg ggggggaggg gccccccgcc gccgagcaag 180
 gggcgggcgg gggccccgca gacggggggc aggcggcacc ccgccccggg gacgaggggg 240

ggggcgaagc cccctgcac cggccggggg ggggcccga gggcccctag gggggccccc 300
 accggggggc cggggcccg cgggagcgcg cccccctgg ggagggggag gcccgggccc 360
 cgccgggacg cggggagggc cgccaccccc cggcagcagg aattttccac cttccgcccc 420
 gggaggggcg ggccaattcc gcacgggcg ggggggaccc accaccggca gttcgggggg 480
 ggggtggggcc ggaaggccca cccc 504

<210> 9857

<211> 219

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-E12

<400> 9857

aaaaaaaca acgtcgnatg cacgcgttct ttgtcttggg atcctttaaa aggccgccct 60
 ttgggggggg gggttttttt tttttttttt ttggggnnnt tgggtgcttg gntttttttc 120
 ccgggggtct ggatcgggtg gtgggggtgt ggtttttttt tttggtgcct ttttgttctt 180
 ttttttttgt gggttggctg tgtttggggg gggggggggg 219

<210> 9858

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E2

<400> 9858

cgagataaat ctcaatcaat atattgatta tttctaggaa acacatgtcg gtatgagggc 60
 accattgtcg agtacatctc atatgtaatc taaaagaggc acctccaacg atgggttgct 120
 gcaaggcagg gttcatcaaa gagaactggt tgtatggcag caattgttgt tgctgctgca 180
 ggaaggtagc gaccaatggg ttagccactg ccaatggatt aagtaactgt tgctgctggt 240
 gtaggtacgc agcagagttt gacacagcca gttgggtgaa tggaagcaac tgttgtaagt 300
 aggcagcagg gtttgccaca gctagctgag tcagagctgg tacaatttgt tgcagcaact 360
 gttgtttagt gtacgtaggt gcattgccc cgcgagcgg gctagatgaa agtagttgta 420
 ggtagacggc aggggttcacc atggctagtt gactgagcac tggcataaac tgttgcagct 480

gttggtgttg ctggtatgca gctacgttcg ccagaacaat tgggttgat gcaagcagct 540

gctgttgcaa gt 552

<210> 9859

<211> 492

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E3

<400> 9859

ccctatatat tattcctttc catttcaatg gttcattcag gtcattgctc aactgccaat 60

ccatgggtgat gggtgacact ccgttactca tcgccgctaa acgagtgaac tagctatagc 120

cctataggta gctagtcagc ggctccatta cattattact acagtacata gtttcctcag 180

tagtagacac cgccggcagc tgcgttgcaa gggcagggac ctggctgctg cagctgcaga 240

ccgcacatcg ccgtcagctg ctgcgctacc tgggccgcca tcagcgccgc gagctcgccc 300

tgcggctgct gctgcaggaa ggactgcagg accacaccgt atgtcgctg gtaccgggtgc 360

agcggctcca cctgcctgat ctggtggcag cactgctgct gcagcgctg gcactgtggc 420

gagccgtagg gcgtcgccgc cgggctgcac tgggtgcctca ggaactcgac gcactggccc 480

aggaacgggc tg 492

<210> 9860

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E7

<400> 9860

gaagcaaacc agccagttgc attcaccgga gtctagagtt ctaccgaaaa gaatcagctt 60

tttcgaggct taatttgagg ggggcctcaa tagggggaat gtgcagcaat ggcctcaaca 120

acgacatgca caccttacac caagaaaacc ctgagtttta agcatgaaca gtttggaagt 180

tttacatagc tgaaaaaaaa gacggaactg tagcttttat gagcgctgct actaatactc 240

ttcacagagc atggctctgt catagtagta ttattaatca ccagatgcac caacagcagg 300

cgatccggct gccaacgagc agaggcacc tcagacaagc acctgagctg cagctagcct 360

agcgatc

367

<210> 9861

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E9

<400> 9861

aaaaaccaac cccccagttg gggatccccg ggccccccaa aaaagggggc ggaatgggaa 60
aaaccgggcc aaaaaaaaaa aagggggaaa gagaaatddd taaatccaaa aaaaaacccc 120
ttttttaagg acccggggtt aaaccccccc ttttaaggcc cccatttccc ctgggggggt 180
tccccaaaac caccaaacc aaaggggtata atccggaggg ggggggtttt taaaccccc 240
aaaggggaaa agaaaaatct gttttggggg aaaaaaaccc cccagggtta aaaccccgcc 300
aaaaaagggt ccggccaaaa aaacccttcc gccggggggg ggccaaaaaa acaaccccc 360
caaccagggg gggcccggga aaaaaccccc cgtgggggga 400

<210> 9862

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F10

<400> 9862

ctaaaaagta ctttcttatt tctgggaagc cacaaacatc agacaaaaaa ctttattatt 60
gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
cgctgctggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag 180
ggtgccagcg tttaggcgcag cgtgctggta gaacggcaac aactgtgggt gtatcaagaa 240
ggtagcaggg ctacaccag ctagctggct gaatggtagt agttgttgct gctgtaaata 300
agcaggagag ttcaatgctg ccagttgggt gaatggaaga aattgctggg ggtaggcagc 360
aggtagctgg ctgaatggta gttgttgggt ttgcaaataa gaagcagagt tcaatgcagc 420
tagttgggtg aatggaagaa actgctgttg ctgagagtag gcagcaaggt ttgctagcac 480
aagttgttgt agttgttgtg cctgatgtt ttgtgccaat aaatgcacca aaggtaactg 540

atgtaatagg gctgatgatt gtt

563

<210> 9863

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F11

<400> 9863

gattattagt,tgtaattcaa taataaagtt ttttggatga tgtatgtggc caaccagaaa 60
taagaagtta catttccaga ttctaattgtg ataaaaaaaa aaaaaaaaaa aaaaaggaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaatat tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg ggggggccttt 240
tatttttaaaa accgccccgg ggggttcccc gggaattttg ggcggggccc ttgggggggac 300
aaaatttttc tttttagggg gggtttttaa aatgggggaa aaaaggggaa aaagtttttc 360
ccggggaaaa atttttttcg caaaaaattt cccaaaaaaa ttggcccggg aaaaaaaaaat 420
taaaaacccg gggggcctta aggggggacc acccacaaaa aatgggggtg gccccatggg 480
ccccttttca gggggaaaac cctgttgccc cactttttta aaaaaattgc ccacccccgg 540
ggggaggggg ttttgttttt ggcccccggg ggggtttttt tt 582

<210> 9864

<211> 322

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-F12

<400> 9864

aacaaaagaa aggacccccca ggcataacga gggncagcac gaggaagca gggncacaca 60
agacaaggca cgggaanacc ccanacacnn aaaanncang gngcacaaag caaaagaggg 120
aggggggaaa gcaaaacggc ggggancgca nnccaacggg agangggacn naagcaacgg 180
ccncgaggaa agcccnccca ggagcacgcn ncncagggcn nccaagggna ccgagcagcn 240
nngcgngac accancagga acaanncnac ccncacncnn ggaccncagg ggggcggcac 300

ggcggaaccg ggggaagccc ca

322

<210> 9865

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F2

<400> 9865

gggaggaaac ggggaatttt tacaaccggg ggagggaaac caaaggccaa aagcgggggt 60
ggcccggccc cgggttgggg cagggaatat ggacaaaaaa ccccaaaaga gggggttttg 120
cataaaaggg gaagggtgca cagggggggca cgggagctgg caagcaaaac ccaagggggc 180
gccgggggaa ggaaaaacaa aggggggggg tgctggcctc ctctataaaa gggccggggg 240
ggggccattt tggggggggg gggcaaccaa aaaagcgcgc gcgccccctt tggggagggg 300
ttgggcgcca acctcttcgt ttggggccgg tggagaattt tccacaaaaa cgggccggtt 360
tttttcccc acctttggga cctggggggg ggtttttaaa agaaccggg ggcgcggtt 420
ttttttttat tttgcttttc aaggcggggg gggggg 456

<210> 9866

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F4

<400> 9866

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caagtgatat ccatgaacag atggatgtac agtcgtttta ggagtgagga tacagaatca 120
atcaacttgc tcagacacat cgcacatgct gtgtctattt ttttttcaac ttctccaaat 180
tggccatgct caaagtccaa acttcgctgg gaatctgaat ttccaccgga cccccacagt 240
tcacgcgctt tgggaatatt catcatgct gcagctttct tttcttttta tgcctccttt 300
tgcgccgtgg tttatgaaca tcagaatttg agctcagatt actgttatta tccccgggac 360
gatttggtag tcttctattt ttaaagtatt cgccgcttgt gctgtttgaa gtactgctcg 420
agctggatat cgcacgttta tctgcatgtc tgcctctatt tggggctaata gagcgtgggt 480

gcggcataag aactcgagca tctctctgac gctgggttctt ttcactactt gacatgccag 540
 atgctgccct acctgaagca ctggatgctg gtt 573

<210> 9867
 <211> 566
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F5

<400> 9867

cagaaattat cgagataaat ctcaatcaat atattgatta tttctaggaa acacatgtcg 60
 gtatgagggc accattgtcg agtacatctc atatgtaatc taaaagaggc acctccaacg 120
 atggggttgct gcaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgt 180
 tgctgctgca ggaaggtagc gaccaatggg ttagccactg ccaatggatt aagtaactgt 240
 tgctgctggt gtaggtacgc agcagagttt gacacagcca gttgggttgaa tggaagcaac 300
 tgttgtaagt aggagcagg gtttgccaca gctagctgag tcagagctgg tacaatttgt 360
 tgcagcaact gttgtttag gtacgtagg gtacgtggcc cgcgagcgg gctagatgaa 420
 agtagttgta ggtagacggc aggggtcacc atggctagtt gactgagcac tggcataaac 480
 tgttgagct gttgttggt ctggtatgca gctacgttcg ccagacaagt ggggttggtg 540
 caagcagctg ctgttgcaag taggtg 566

<210> 9868
 <211> 563
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F6

<400> 9868

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 gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
 tgctgctggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag 180
 ggtgccagcg ttagggcag cgtgctggta gaacggcaac aactgtgggt gtgtcaagaa 240
 ggtagcaggg ctacaccag ctagctgggt gaatggtagt agttgttgct gctgtaaata 300

agcaggagag ttcaatgctg tcagttgggt gaatggaaga aattgctggg ggtaggcagc 360
 agatagctgg ctgaatggta gttgttggtt ttgcaaataa gaagcagagt tcaatgcagc 420
 tagttggttg aatggaagaa actgctgttg ctgagagtag gcagcaaggt ttgctagcac 480
 aagttgttgt agttgttgtg ccctgatggt ttgtgccaat aaatgcacca aaggtaactg 540
 ctgtaatagg gctgatgatt gtt 563

<210> 9869

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F8

<400> 9869

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 actataactc ataagaaact aaaagaggca ccaccaatga tgggttggtg gtagaacgct 120
 gctggggttg tcaaagcaag ttggttgaat ggagcaatt gttgcagttg taagaggggtg 180
 ccagcgtag gcgcagcgtg ctggtagaac ggcaacaact gtggttgat caagaaggta 240
 gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg taaataagca 300
 ggagagttca atgctgccag ttggttgaat ggaagaaatt gctgggggta ggagcaggt 360
 agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa tgcagctagt 420
 tgggttgaatg gaagaaactg ctgttgctga gagtaggcag caagggttgc tagcacaagt 480
 tgttgtagtt gttgtgccct gatgttttgc gccaataaat gcaccaaagg taactgatgt 540
 aatagggctg atgattgttg gaggaacaag gtgat 575

<210> 9870

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F9

<400> 9870

aaaaaaaggg ggaagggacc cttttttttg gggggggccc ccccccttc caaaaaaatt 60
 ttttttttgg atccccccca aaaacccctt aaaaaggggg cccccccat tttttttt 120

gggggggggg cccctttttt tttaaaaaaa ggggggaaaa agggcaaaaa tttttttttt 180
 ttaaaaaggg gggggggggt ccccccaaac cgggggaaaa aagggaatac tttttttttt 240
 taataaaaaa aaaccccggt tgccccccct ccggggaaaa aagggaataa ttttttcggg 300
 caataaaaaa ccgggggggt caggccgccc cattttttaa aaaaaaaa tttttttttt 360
 taaagaaggc cccccccccc ccgggggaaag ggaaaaaggg gggggcacaa aaa 413

<210> 9871

<211> 491

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-G2

<400> 9871

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 acatcacagt ttacaaatag caactgtaaa atgtacagac cgagctagca gtttgcaatt 120
 atttgtaaca gatccaagct aaatacatct acattttttt gctgggcact tccagatcat 180
 cgaacctgtc aggcgggtggc gccggcaggt gtggcggatt cacttgtcac ggcctcagcc 240
 tcccaaaacg aagtcttttt gccagtcttg gaaacagttt gcaggacggc gtcaggtgtc 300
 acattgccct tcacggggac cttctgttcc atgatgtcta cgtcgtagga ctgcagcct 360
 tccattttgc ccaggaccgc cttgacagct tcaacacagc ctttacagga catgccaacc 420
 ttgagcacia cagtctgggc catancgcga gaggggaagga ggtccgggt ggtcccgccg 480
 tgggtggtgga a 491

<210> 9872

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G3

<400> 9872

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 caagtgatat ccatgaacag atggatgtac agtcgtttta ggagttagga tacagaatca 120
 atcaacttgc tcagacacat cgcacatgct gtgtctattt ttttttcaac ttctccaaat 180

tggccatgct caaagtccaa acttgcgtgg gaatctgaat ttccaccgga cccccacagt 240
 tcacgcgctt tgggaatatt catcatgcct gcagctttct tttcttctta tgcctccttt 300
 tgcgccgtgg tttatgaaca 320

<210> 9873

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G4

<400> 9873

caatctagaa atgtactttc ttattttctgg gaagccacaa acatcagata aaaactttat 60
 tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg ggttggttgg 120
 agaacactgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
 agaggggtgcc agcgttaggc gcaacgtgct ggtagaacgg caacaactgt ggttggtgtca 240
 agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
 aataagcagg agagttcaat gctgctagtt ggttgaatgg aagaaattgc tgggggtagg 360
 cagcaggtag ctggctgaat ggtagttggt gttggtgcaa ataagaagca gagttcaatg 420
 aacctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta 480
 gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caataaatgc accaaaggta 540
 actgttgtaa tagggctgat gattggt 567

<210> 9874

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G6

<400> 9874

aaaatcggga aagggaactt cttatttttgg gggggcccca tccattatcc aaaaaacttt 60
 ttttttggat tccaccaat aagccatcta aaagggggcc cccccaatga tgtgttggtt 120
 ggagggggct gctgggtttg tcaaaacaag gtggacaaag ggcaacaatt gttgtatttg 180
 taaaaggggt gggggggttag ccccaactg ctggtaaaaa ggcaacaact gttgctgtgt 240

caaaaaagaa acacgggttg ctgcaactag ctggctaaaa gggaaaaaaa tttgctggtg 300
 caaataaaca gcgagggtca aggcggccaa ttggttaa at ggaaaaagtt tttggtgatg 360
 aaagtaggca atacctacct ggccgaatgg gaaaagttgt tgctgcaa at aaacaacagg 420
 gttcaaggt' 429

<210> 9875

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G7

<400> 9875

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 ctataactca taagaaatct aaaagagggc cccaccaatg atggggttggt ggtagaacac 120
 tgctggggtt gtcaaagcaa gttggttgaa tggcagcaat tggtgcagtt gtaaaagggt 180
 gccagcggtta ggccaacgt gctggtagaa cggcaacaac tgtgggttggt tcaaaaagggt 240
 agcagggctc acaccaacta gctggctgaa tggtagtagt tggtgctgct gtaaataaac 300
 aggaaagttc aatgctgcta gttggttgaa tggaaaaaat gctgggggta ggcaacaagt 360
 agctggctga atggtaattg ttgttggtgc aaataagaag cagagttcaa tgaacctaat 420
 tgggtgaatg gaaaaa 436

<210> 9876

<211> 592

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G8

<400> 9876

aactcgaaaa aaaaaatctt attcataaac aaaatggggt cacagatatt tctccatagc 60
 ttcatgctca ttgtggtaga cgcagctgac cacctagagc tgcatactta cttattcaga 120
 ctgatccagc atgtggcaac atcggaagt cacatgctta cagacgacaa attttcataa 180
 caatagcctg gcttggtgct ttcacagaat aaccaaacga caaccacgaa attgcgacga 240
 tataaaataa acaactcaga agcaaatcga cccagaagc ccgtcttact catcaagcac 300

tccccgccttc tcctccatgg catccgcttc ctctcccag cagagaagat tagccagctt 360
 gtagtccttc ttcataggag gaggagcact ctccacgttc tcgccgtcaa agcagtggaa 420
 aacagatttg ggcgaggtag caacagcgtc ttcagcagca cagaagctct ggtacacgag 480
 gagccccgct ccaggcagct cctgctccac catgttggtg cagtcataga cctctgcacc 540
 aagtgccttt ccccatgtcc cggcatggcc acgccccgag aagaggtcac gg 592

<210> 9877
 <211> 377
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-H10

<400> 9877
 ctgggaagcc acaaacatca gacaaaaaac tttatttttg aacttttact cataagaaat 60
 ctaaaagggg cccaccaat gatgggttgt tggtagaacc cttctgggtt tgtcaaagca 120
 agttggttga atggcaccaa ttgttgctgt tgtaagaggg tgccagcggt aggcgcagcg 180
 tgctgggtga acggcaacaa ctgtggttgt ttcaagaagg tagcagggct cacaccagct 240
 tgctggctga atggtagtag ttgttgctgc tgttaataag cgggagagtt caatgctgcc 300
 agttggttga atggaaaaaa ttgctggggg ttggccgcag gtncctggct gaatggttgt 360
 tgttggttgt gccactt 377

<210> 9878
 <211> 549
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-H4

<400> 9878
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 gggggggggg nnnngannng gnnnggggaa gnnngggggg gggggggggg ggnnnnggng 120
 ggggnnnngn nnnnaannngg aagangngg ggggggnnng ggggnngngn nggggggggg 180
 ngggnggnnn nngnnggggg gggggggggg ggggnnnngg gnnngnnggg ggggngggng 240

gngngggggg gggggggggg ggnggggggg gggngngngg gggggggggg gggggggggg 300
 ngnanngggn ggggggggng ggggggggng gggngggggg ggggggggnn ggggggnggg 360
 gggggggggg gggnnngggg gggngggggg gggannnngg nngggggngg ggggggnagn 420
 gngaaggggg gggggggngg gnngnngggg ggggngnggg ggggggggng gggagggggg 480
 gggggggggg ggggnggggg ggggggaang gggggggggg gggggggggg gggggggggg 540
 nngggggg 549

<210> 9879

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A2

<400> 9879

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 ggtagaacac tggtgggttt gtcaaagcaa gttggttgaa tggcagcaat tggtgcagtt 180
 gtaagagggg gccagcggtta ggcatagcgt gcaggtagaa cggcaacaac tggtgtgtg 240
 tcaagaaggc agcagggctc acatcagcta gctggctgaa tggtagtagt tggtgctgct 300
 gtaaataagc agcagagtcc aatgctgcta gttggttgaa tggaaaaaat tgctgggggt 360
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<210> 9880

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A3

<400> 9880

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 tggttaaggg tagttcttca attcgaacga ctataactta aacaaagggt ggtatagtta 180
 ggtacaaacc aaacatgccc ataacttcta atttatatgc atgaagggct ttcactgtca 240

gcatactttt cctgaggaat tatcaaactg agatcctcgt tattgttgtt gacctgaacc 300
aaagctgcag tcttgtatgc taggaaaccc atcattcctg gaagaaccca aaaactgaaa 360
aaactatttt tt 372

<210> 9881

<211> 116

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A5

<400> 9881

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aaaaaaaaagg gaggagaaga gggggggggaa aaataaaggg gggggggggtg gggggg 116

<210> 9882

<211> 542

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A6

<400> 9882

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tgcgatgcga gagctaacct tttctatatc tgggacctct cgggtggggca ccaaaaacgg 180

gtacaactct gctgctcttc gtctcccagc aacagctcat tcacacttga ttgatttgta 240

tatgtggcgg acaaagaaca gggcgggcgg gaagcccacc atcccagca tcaagaagaa 300

tgcatagcag atgcaggcca tgtagccaaa gaagaaagat gtctgcatga agccagacat 360

gtcggatgcg gcatagtagt agtacaggca gtagccgtac acgaaaaaac cagttgatcc 420

tccgcaaagg aatgacctcc accaccactc atgggtcttca gcagcaagct ggaagtatgt 480

cagtgaaca gtgatgaacg cagtgacaat aaggaggatg atgaagacaa taaacagaat 540

gc 542

<210> 9883

<211> 447

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-A7
 <400> 9883

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 tgggtgaact ataactcact aagaaatcta aaagagggca cctccaatca tcggctgttg 120
 gttgaacgct gctggggttg ggaaagcaag ttgggttcaat ggcagcgggtt gttgctgttg 180
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 caagaagggtg gcaggggtca caccagctag ctggctgaat gggagtggat ggagctgctg 300
 taaataagca ggagagttca atgctgccag ttggctgaat ggaagatatt gctggcgggtt 360
 ggcaccacgg agctggctga atggtagttg ctgttgccgc aaataaagaa gcagattaaa 420
 tgcattctgt ttgttgatg gaagaaa 447

<210> 9884
 <211> 486
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-B10
 <400> 9884

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 cttttgggtt tgtcaaaaca agttgggtga atggcaacaa ttgttgcaat tgtaaaaggg 180
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 caacaggggt caccatcaact agctggctga atgggtgtag ctgttgctgt tgtaataaaa 300
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 ctagctgact gaatggtagt tgttgttgca aataagccgc agagttcaat gcaccagtt 420
 ggttgaatgg aaaaaactgc tgttgcttaa agtaggcaac aaggtttctt aacacaagtt 480
 gttgta 486

<210> 9885
 <211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-B7

<400> 9885

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tttattgata tgttctgcgg tgtgcaagta gcattaatct aaatgcagaa actatctgct 180
acttattgca ttattacggg taccatcgg cgtgggtgcc ccgctgttct gatacagacg 240
ttattcagag atgtatgaca aacccccag atgtactaga gatcctgaat ctctcttaga 300
ttgcttccca gttcttagct ggtcttggtt tcacttaggc cgcactgat tgttcttgga 360
tctcactgcg tccagcatcg cttgcagtag caccattaac aggaacctca gtcacagcat 420
ccgatgcact tgaaccattc acctgcattt caccagctgc ctacagaggca ttgctggagg 480
gctgctttgg aagggccttt ggttgacgta tggcagctgc tgcttttg 528

<210> 9886

<211> 485

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C1

<400> 9886

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agttggacaa agggcaacaa ttgttgtagt tgtaagaggg ttgcgggggtt agccgcaaac 180
tgctggtaaa aaggcagcaa ctgttgctgt gtcaaaaagg aagcacggtt tgctgcagct 240
agctggctaa atggtagtag tatttgctgc tgcaataag cagcgggggtt cagtgcggcc 300
aattggttaa atggaaaaag ttgttgctgc tgaaagtagg cagtagctag ctggctgaat 360
ggtaatagtt gttgctgcaa ataaacagca gggttcagtg taaacagttg gttgaatgga 420
agaaatgttg ttgctgagag tgggaaaaag gtttgccaga gctacttggt tgatcacagg 480
tagca 485

<210> 9887
<211> 547
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C10

<400> 9887

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agaatgctgt.tgggtttgtc aaagcaagtt gggtgaatgg cagcaattgt tgcagttgta 180
agaggggtgcc agcgttaggc gcagcgtgct ggtagaacgg caacaattgt gggtgtgtca 240
agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcagg agagttcaaa gctgtcagtt gggtgaatgg aagaaattgc tgggggtagg 360
cagcagatag ctggctgaat ggtagttggt gttgttgcaa ataagaagca gagttcaatg 420
cagctagttg gttgaatgga agaaactggt gttgctgaga gtaggcagca aggtttgcta 480
gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caataaatgc accaaaggta 540
actgctg 547

<210> 9888
<211> 208
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 9888

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gtcaaaattg ggatgctgca cacaaaaatt aggatcgact agccagataa aaatcccctg 120
cacttagaaa aactgctttc ctagctgtaa cctgattagt ggataacctt cgatgcagtc 180
gaccgtaatc acgccatttc cacttttg 208

<210> 9889
<211> 549
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C2

<400> 9889

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ctgacgtcca tgccgttgac gatgccggtg atgccggtga ggccgatgat gttgtcgagc 240
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accctgtcgg cctcgaggat cccggccttc atccagttga tctttcggcc ttcccgggct 360
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ggtagtcgga gaaggcgaac cggccctggt aggagatggt gtggatgcag aaagcgggct 480
ttgcgttcct gtagatgccg tgggactggt agttgctctt gaggtagcac cagagagggc 540
cgggtgtgcc 549

<210> 9890

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C3

<400> 9890

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tgccctcgaca agacaggatt catcaaagag aactggttgt atggcagcaa ttgttgctgc 180
tgttggaagg cggcgaccaa tgggttagcc actaccaatg gattaagtaa ctgttgctgc 240
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aagtaggcaa cagggtttgc cacagctagt tgagtcaaag ctggtacaat ctgttgcaac 360
aattgttggt gcaggatatgt aggtgcattg cccacagcga gcgggctaaa tgaaagcagt 420
tgttgttggt gtacgtaggc ggcagggttc accatggcta gttgactgag cgttggcaga 480
aactggtgta actgttggtt ttgctgggtt gcaactacgt tcgc 524

<210> 9891

<211> 415
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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<400> 9891 .

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<210> 9892
 <211> 492
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C5

<400> 9892

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acatattctt tggttagaat cctctttttt taaaacaact tgcacattaa cttaccaagg 180
ttttttcgga tgttcctttt tcaactaaac tcaacgaaaa cttgctgttg aggttgcaaa 240
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aattttgaga tggatctgat tttttttatt gacggtgacc aatttaatta ttgoggaaat 420
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 <211> 288

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 gggggggggtc ccgcttttcc ttgggggggg cggtttgggg gcgggggtta ttaggggttt 180
 tgcttggtgc tggggggaat tggttntgg tgggggtggc cccgggttgc gggcggtagc 240
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<210> 9894
 <211> 519
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-C7
 <400> 9894

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 gttgcaggta tgtaggtgca ttaaccacag cgagagggct agatgaaatc agttgttgct 420
 gttgtaggta ggcggcaggg ttcaccatgg ctagttgact gagegctggt agaaactggt 480
 gcaattgttg ttgttggttg tatgcaacta tgtttgcca 519

<210> 9895
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-C8

<400> 9895

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cgtcaggaca gtaaaccctt ccaccacctt gaaagtggca ccgcaaactt ttttttcgtc 360
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<210> 9896

<211> 561

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-D3

<400> 9896

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tgtagcatgc atgcatgcat ctgccggttt tggaagaagg tttttcctca catcgacagc 180
cccacacatg ccgcgcagca acgagtacct cgctatcact ccaactggagc atagacgaca 240
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gcggtgaagt gctcggctgc gtgatggatc ctgctaaatc caccaaatag tccagcgctc 360
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ttatctctct catgtttccg ggaaatatac tggntgatca gatgtcatga attcatattt 540
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<210> 9897

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-D6

<400> 9897

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ccacgattcc agaccttatg tagtaccott cttccgggtg atcagcctct tggatgccct 360
tactgtttgt gatcaccacg ttcttcccaa tcctagcatt catgtcaatg atacagttcc 420
ttatctttgg gttccttctt attccaactg ggacctttcc agctaacagt agctttgaag 480
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<210> 9898

<211> 499

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-D7

<400> 9898

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caagttgttg tagttgttg 499

<210> 9899

<211> 265

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-D8

<400> 9899

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gttggttagga ggctgctggg tttgtcaaag caagttggac aaagggcaac aattgttgta 180
gttgtaagag ggttgcgggg ttagccgcaa actgcttgta gaaaggcagc aactgttgct 240
gtgtcaagaa ggaagcacga cttgc 265

<210> 9900

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-D9

<400> 9900

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tttgcgtccc tgtagatgcc gtgggactgg tagttgctct tgaggtagca cgagaagagg 540
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<210> 9901

<211> 474

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-E12

<400> 9901

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ggggggggcc gggggggggg gggggggggg ggcgcggggc gggggggcg gggggggggg 420
g'cgggggggc gggggggngc gggggggggg ggggaggggg gggggggagg gggg 474

<210> 9902

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E2

<400> 9902

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tgtatcccca aatccaggcc cccaatgtcg attcaacatg taactaacat ttgctggtag 180
aacattctac cctacaacat tgaagggcac aaaagagcaa aaagaaagaa aaaatgcctt 240
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accaggtgct gatcattgtc gaatgtcgag gaacacagct gcatgtcgca cgttcacttt 360
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<210> 9903

<211> 178

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E4

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aaaggagggg acccgagggg agggggggga aacaaggag ggggagggaa agagaagagg 120
gcgggggggg ggaaggggaa ggggggagag gagggagagg caaaaggaag ggggagcg 178

<210> 9904

<211> 489

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E5

<400> 9904

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cacaagcgcg gtccattgcc agcgtgtatg tacctcctca tcgaaagggc aggctagcat 180
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gtacagctcc accacatttg gcaaatcaat gcgtggcttg tagttgcca aaaaggtccc 420
ctttagggtc ctttcgttca ggaagttcat cgggtgggtc ttgaactcaa cgtccttatg 480
tgggacacc 489

<210> 9905

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E6

<400> 9905

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ggggggggag aagggggagg aaaggagga ggggaggggg aggggggggg ggggagagag 180
gagagggggg ggaggggggg gggggaagat aaaaaacaag gagaagagaa aaaggagaa 240
ggggaagggg gggggaaaga ggagaggggg ggggaggggg agggggaaga gggggggggg 300
agagggaacg ggggggag 318

<210> 9906
 <211> 503
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-101-Q1-N6-E7

 <400> 9906

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 ttattgaatt acaactaata atcaatctaa aagagggcac caccaatgat gtgttggttg 120
 taggaggctg ctgggtttgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 180
 aagaggggtg cgggggttagc cccaaactgc ttgtagaaag gcagcaactg ttgctgtgtc 240
 aagaaggaag cagcacttgc tgcagctagc tcgctaaatg gcagtagtat ttgctgtgtc 300
 aaataaacag cgggggttcag tgcgcgaat tggttaaatg gaagaagttg ttgttgctga 360
 aagtaggcag tagctagctg gctaaatggt aatagttgtt gctgcaaata agcagcaggg 420
 ttcagtgtaa acagttgggt gaatggaaaa aattgttggt gcttgagata gggagaaaagg 480
 tttgccagag ctacttggtt gat 503

<210> 9907
 <211> 204
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-101-Q1-N6-E8

 <400> 9907

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 tttttttttt taagcagaaa gaggggtaga gagggggggc ccccccaaag tttttttttg 120
 gggggggggc cgggggtttt ttaaaagagg ggggacaagg ggggaaaagg ttgttgtttt 180
 agaaaggggg gggggggggc cccc 204

<210> 9908
 <211> 504
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-101-Q1-N6-F4

<400> 9908

cacactataa ggatgattta tagcttgctt cccaatctta gggaaaataa ttatcgaaca 60
cccttgagg ccaatagcac attagaattt ggaaatgtaa cttcttattt ctaggaggcc 120
acatacatca gccaaaaaac ttcattattg aattacaact aataagcaat ctaaaagatg 180
gcaccgccaa tgatgtgttg ttggtagaag gctgctgggt ttgtcaaagc aagttggaca 240
aagggcagca actgttgagc ttgtaagagg gttgcggggg tagccacaaa ctgctggtag 300
aacggaagca attgttggtt tttcaaaaag gaagtggggc ttgttgtagc tagctggcca 360
aatggtagta gtatttgctg ctggaaataa gcagaggggt tcagtgcggc caattgggta 420
aatggaagaa attgttgctg ctgagagtag gcagtagcta gctggctgaa tggtagtagt 480
tggtgtgtgt gtaaataagc agca 504

<210> 9909

<211> 545

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-F6

<400> 9909

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cacccaacac ggattgatac acatccgttc tacttttcc taaaaacgaa tgctcacagc 120
aagcaaaagt aaacgataag tngaaaaaac aagtgtaca tgctatggca accatcccat 180
gggagtccac tagccacta ctgggtgggt gcttactctt cgttaccctc ttcttccttg 240
gtaagcttga tcatgtcgtc aatcctcagg atagtaatgg cagcctccgt ggcaaaactga 300
atgatcttta ctttgctcat cgatggctct atcacgcat actcaagggt gttgcgaatg 360
atacccttag agaggtaag gccatactt gaataatgtt gcttgctggc ctttgtttga 420
gcagtatgat gatatgcctt aagctttgct acaagctcag ttgcatcttt tgcagcatta 480
acagatagta cttttggtat gattaacaaa gactcagcaa attcagcaat tgccaattgt 540
tccccg 545

<210> 9910

<211> 256

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-G1
 <400> 9910
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 ggggggggga gaataataaa aaaaaaaat tttttttaga gaaaaaagaa aaagaggtaa 120
 aaaagggggg gccccccagt agtggggggg ggggaagggg gggcgggggt ttaaaagaag 180
 gaggagaaga agggagaaaa attgtgttat aaaaagaggg ggggggggggt aaaaaaaaaa 240
 ctggaggaaa aaaaga 256

<210> 9911
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-G10
 <400> 9911
 ggggaaaaag ggcaaacaaa tttttggttt tttttgggaa aaacatcccg gggtgggggg 60
 ccccttttcg gttcccttc atttgaatc aaaaaagag ggcccccaa ccaggggggg 120
 gtgccccac aagggggggg ttataaaaaa aaaacgggtt tttgggaaaa attttttttt 180
 ttttaaaaag ggagggccca aagggttagg ccccccttg ggataaaaaa aactttggcc 240
 cttttgtggg gccccccaa aatttcacc acaaatgtt tttatagaa aaaacttttt 300
 caaaaaggca aaagggtttt cccaacttg cttgttaaaa actgggacaa atttttgcaa 360
 aaattttttt tccaggtttt taggggcttt ccccaaaca aaagggtta ataaaaaca 420
 tttttttttt t 431

<210> 9912
 <211> 555
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-N6-G11
 <400> 9912

agaattcaga cttctggccc ttgcctttat aaaaagctta agatgttaga gcgaagtgca 60
 cacttaacat taaccacagc acatgagnaa aagcgagggg aggagcgagn gaaaaagatt 120
 attattactg tatgtagtgc tctatcctgc atgtatatcc catcgtcctc ctgggattgc 180
 tgttttggag gactgagaat ttcttctagg gttgctgttg ctgatcgagc tggcgtcagt 240
 tctgctttgc tggggtcggg tgtegggtct atagcagtca tgctgtttcc tccccgctt 300
 ctctgctctc ccggggcttg tcgtcgctgt cattcttggg cgaccggcgc gggcgctcct 360
 ccttgttctc cggcaggagc ttgatgacga tgcccatggt tatgaggagg agtcccgtcg 420
 cgtgctgctc cgtcaggggc ttgggtgaata tcaggtacga cagcagcagc gtcaccgcct 480
 tcctcgccgt cgtcaccatg gctgtggttg ctgcaccgaa aagcgctatg agggagagca 540
 cggagacctg gccga 555

<210> 9913

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G3

<400> 9913

aagaaaaaaaa aaagcctccc attctcatca agaattgcaa ccaactagct gctggagaga 60
 acctcctgct atcaaaggca attaggcagc actctcaaat ctttgctta cttccattct 120
 acttgctaag cccagatggc tagagatgcc atggccatgg caccaaggaa caaggcaatg 180
 tatgagccga cttgaagcct caagttacag ctcctcctct tgctgagaaa atcagctgcg 240
 atgaggtcca ccaaggccat gtagatcaga ataccagccg aaatggaatc cagaattccc 300
 tctaccacaa gtgccttagg gctgttgga ttgtagaacg acgcgatacc agacccacg 360
 gtaatcccag caggtgttgt gatagcga aaagaaagcca taaggagtgc aggagaaact 420
 cttgaactga gcctcgga tgcagccgcc caatgcaaag ccctcaaaaa acggtggaag 480
 gagaaagcag cacctaaagg tttgatggtg caaggattc 519

<210> 9914

<211> 538

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G5

<400> 9914

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accattgtcg agtacatctc atatgtaatc taaaagaggc acctccaacg atggggttgct 120
gcaaggcagg gttcatcaaa gagaactggc tgtatggcag caattgttgt tgctgctgca 180
ggaaggtagc gaccaatggg ttagccactg ccaatggatt aagtaactgt tgcgctgtt 240
gtaggtacgc agcagagttt gacacagcca gttgggtgaa tggaagcaac tgttgtaagt 300
aggcagcagg gtttgccaca gctagctgag tcagagctgg tacaatttgt tgcagcaact 360
gttggttagt gtacgtaggt gcattgcca cgcgagcgg gctagatgaa agtagttgta 420
ggtagacggc agggttcacc atggctagtt gactgagcac tggcataaac tgttgagct 480
gttggtgttg ctggtatgca gctacgttcg ccagtacaag tgggttgat gcaagcag 538

<210> 9915

<211> 497

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G7

<400> 9915

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aaatctagaa gatgggcccc ccaatggggg gctgatgcaa taagggggta ggattcgtca 120
aagcgagttg gctaaatggc aacaattgct gttgttgtaa aaaggcgaca atgtttgcca 180
catcctgtgg gtagaatggc agcaattggt gttgttgcaa gaaggcgta atgtttccca 240
caacctgtgg gtaaatggc agcaattggt gttgttgcaa gaaaacagca atgtttgcaa 300
caacttgtaa acggaatggc aacaactggt gctgcaataa aatggcagca gggctcccga 360
caagttgggt gaatggtagt agctgttggt cctgcaagta aacagcaggg ttcaccccag 420
cttggtgatt gaatggaaaa aattgttggt gctgaaggta aacaacaagg ttcgctgcaa 480
ctacttgatt aattggtt 497

<210> 9916

<211> 487

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G9

<400> 9916

gaagaaacaa gagggagata catttttttc acaaaaacaa cgaaaataca gttgttttgg 60
gccagttgga agaacagact gcaaaaggtc tttaagtcca actttacaca ggaggtaaaa 120
gaatattacg gaaaaagaat aatcaaacag taacaatggg gggctcaact ggtagcttat 180
ttgaattgcc atagatacac aacatatata tttatatatt tataatcaca agctagcagc 240
gtccgcgtac cgccctgaaa atttgatact catacctaac ctcggaagat attttatata 300
ctccacctct ggggtcttct gtctttctga ggatcacctg agcctggcat taccttcctt 360
gcttcggaat gttgacaggg aaaagaaaga acgtggcgct cttccagtca gttgatcttt 420
tctcggctctg aaatttgcag gtgggtttgg aattgagctg cgtagtgatt gttcttgttc 480
agcaaaa 487

<210> 9917

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-H6

<400> 9917

aggcccaact aaatggggca ttttatttgg aacattgacc tgtacatttg ttggtgaaaa 60
gatgaaacgg gtggggacca agttagtcac gataacatat ttacagatta tttttgtccg 120
gggcagcagc gcaaccatta gttgcttatg tcaaagtact tgggatcggc ggggaaataa 180
tgctccactc gcagctcgcc ttcatttgca tttgagtgcc tttgaggaaa tacaactcta 240
aaatcattgt aaaaatagaa cctccgttct tctcaggta gcgttttgct gttatatggg 300
gccgttgata gatcaaattt gcaacaaagc atttatataa aggatttttt ttttgggggg 360
cacaaaa 367

<210> 9918

<211> 265

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-H7

<400> 9918

ataccaccac tactatatat ttatacatat aaaccatac tagtgtctct catgacaaac 60
catattctgc ctgccagccc acactttatt tgggataaat accactaaat gaatcgattg 120
atttgctctc tctctgtgat acatgtcatg tcgaccggaa ctctcaggtc gtgtggagaa 180
acgatgaaca cgagaagaga acaaaatctg tacatggcga gcgcgtcagt gacagtgtac 240
ttgaggtgca tctctcaagg ttaca 265

<210> 9919

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-H8

<400> 9919

ggcaatcaag ttcataaat taaacaacat actataatta acatatatat aatatatagg 60
ttcacgataa tattgtacca aactcgaatc tgctttttac aaccatcagt catcagcaca 120
accaagcaga ttactaacac caaacgagac atataccaca catgcaatga tacgggtgat 180
gtactagcta gtacatccat acacacacat agcttaccac ctactgggta ttacggaata 240
tacaaaccat gcatg 255

<210> 9920

<211> 502

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-A1

<400> 9920

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cccattatcg agtacat tttt atatgtaatc taaaaaaggc accttcaacg atggggttgct 120
gccacaacaa gggagggttc attaaaaaaa actgggttgta tgggagcaat tggttgctgct 180
gtaggaaggg aaccaccaat ggggttagcca ccgcttggtg attaaataac tggttgctgct 240
gttgtaggta cccagcaaag tttgacacag tcagttgggt gaatggaagc agctggttgca 300

agtaggcagc aggggtttgcc acagatagct gagttagagc tgggtacaatc tggtgcagca 360
 actgttggtg caagtatgta ggtgcattaa ccacagcgag agggctagat gaaatcagtt 420
 gttgcttttg taggtaggcg gnagggttta ccatggctag ttgactgagc gctggtaaaa 480
 actgttgcaa ttgttggtgt tg 502

<210> 9921
 <211> 51
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-A11

<400> 9921

gttggggggt ttttntttg ggttgggggt nnnntgtttt tttttttttt t 51

<210> 9922
 <211> 339
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-A5

<400> 9922

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 gctggggtaa gaatcggtag ctggtaggtt ttttagccttg gtaaattaaa gagcaagcgc 120
 tggttggggg gggggggggg caaatggggg gggcaaaacc acgggagtggt cgtcttagc 180
 tggatgggtt gggtttggga ttaggattag gattaggacc aagaaacctg gtggtgcctc 240
 gtgacgcgtt attgttcaaa tgccaaacca cccaccaatt tttggtgctg atttatgggg 300
 ttttgtttct tttggctggt gtcttgttct tgtcccgat 339

<210> 9923
 <211> 241
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-A6

<400> 9923

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aatgggtggt gctggttgct nttttgggtg gtnggtattc gttcaaagct tgtttggtt 120
taatggttng caattgttgg ggggtttgta tggggcaatc atttgtttgc cacatttctg 180
tggtgtttgt ntgggttgct attgttgctt gtttgcttgt aggcttttaa tgttttccca 240
c 241

<210> 9924

<211> 399

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-A9

<400> 9924

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attattactc aatcatcgcc gcttattttc tcaactagct agctagccag cgggggtgga 120
gggggcatan ttgcgggggg ggggacaccg cctgcagcag caaaaaggca tggagtcggc 180
tgctgcaggc cgcacatcgc cgtcagttgc tgcgctatct gcgcgcgcaa cagccccgcg 240
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tggttccggt gctgcgggtt cacctgcctg agctgctggc atcactgctg ccgtaacgac 360
tggcactgat gcgagcagtt gggcgttgcc gttgggctg 399

<210> 9925

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-B1

<400> 9925

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aagctttaga acagggtgta gcatgcgcaa agcagtatat agacgatacg tcccttattc 120
ttacatagta ctgtactata cacattcgtc agacctgtgc catacagcca tactaaacaa 180
agtcttcttg attctcatat gccttcacat aaggcccaag gtgtgtgtcg tgccttggtg 240

agtgccagac ccagggccat gtagctggta agtctggctc ggcacaacct ggagaacacc 300
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 ggcgttcttg tagtggtaga gcaactgcgc cctggccttc tgttcgctgc cgaggacggg 420
 ggtgaggggtg cggatgtgga actccttagg gtcggcgtag tcggggcggt caacgtacac 480
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 ggct 544

<210> 9926
 <211> 510
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-102-Q1-N6-B7
 <400> 9926

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 caaagtagac cagatgtctt aaaaatactc catatcctag ctggcggacc aacaagttac 120
 aagcaagtct gcttaacata aaagagaagt taaaaatcac tacacacagt tctcgatcc 180
 tatccatgat gtgctctttc tctgttaaata tggacctcaa catgtaacgg tgtgcctcca 240
 aaacagcaaa gttataatgg cacagatcta attaaccctt tgaaatgcc caatgagcat 300
 ttgcatcaca tgacatcagc actatcttga gggcagctgt tttgattttc tcaatcctcc 360
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 attggtgacc tcgacgacaa caagagcttg agttccaact gcagggcctg ctactatcct 480
 gtctggctaa atcatattca agcaatacat 510

<210> 9927
 <211> 309
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-102-Q1-N6-B8
 <400> 9927

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ctctctttttt tttcctttca gggaccgggc ccttcggggc gggggggggg gttttttggg 180
 ggggggaaaa aattccccgg gtccaccggg gccccgcgcc tccccccggg ggggggttgcc 240
 cacgggtctt ccccccaacg gggggggggc ctcccccttt ggcccattcc actttcccg 300
 tgggtgccc 309

<210> 9928

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C1

<400> 9928

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 taggaggctg ctgggtttgt caaagcaagt tggacaaagg gcaacaattg ttgtagtgtg 180
 aagagggtag cggagttagc caaaaactgc tggttaaaag gcagcaactg cagctgagtc 240
 aagaaggaag cacggtttgc tgtagctagc tgactaaatg gtaaaaatat taagctgctg 300
 caaataaacc acgaggaaaa gatgcggaca atttggttaa tggaagaagt tgctgttcat 360
 ga 362

<210> 9929

<211> 260

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-C11

<400> 9929

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 cccccnncc cgtggatcat gtggtttctg tcgttgtctc aagtggnttt tcagaaaacc 120
 cgggccattt gccctttttt tttttttttt tccaagggt cttgctgggg ggggggggg 180
 ttctttccgg gggcctnacc ctgcgccgc tgggtgtgtc gccgtcgat agctggcgcc 240
 ccacgctctg gctttggaag 260

<210> 9930
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C12

<400> 9930

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 ttttgttaac aaagccagat gccccagta aaacagggtc acttcgtgtc gggtgccgac 120
 cagccaggct gccgcgagcc atcaggatag caaaatcggg ggacacccgtg ttgttggtcc 180
 ttagatgtca aatcactgcc gctgctaaca aataatctaa ctttttttta cctcgctttc 240
 agttcactaa ttaccaggcg ggggttagac agtatttttg caaagagcaa caacacaaca 300
 ggtgtaactg taacgctaca cttgattgct gttttttttt cttttaccac tgcagatttg 360
 caccgggttc ttcctttt 378

<210> 9931
 <211> 496
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-C2

<400> 9931

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 tacagtataa agcataaaaa atctagaaga tgggtaccacc aatgggtgggc tgatgcaata 120
 agggggtagg attcgtcaaa ggggggtggc taaatggcag caattgctgt tgttgtaaga 180
 aggcgacaat gtttgccaca tcctgtgggt agaatggcag caattgttgt tgttgcaaga 240
 aggcgttaat gtttcccaca acctgtgggt aaaatggcag caattgttgt tgttgcaaga 300
 aagcagcaat gtttgcaaca acttgtagac ggaatggcaa gaactgttgc tgcaataaga 360
 tggcagnagg gcttccgaca agatggttga atggtagtag ctgttggtgc tgcaagtaaa 420
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 cagnaagggt cgctgc 496

<210> 9932
<211> 533
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C3

<400> 9932

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gggcaccatt atcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt 120
tgctgccaca acaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgc 180
tgctgtagga aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt 240
cgctgttgta ggtacgcagc agagttcgac acagtcagtt ggttgaatgg aagcagctgt 300
tgcaagtagg cagcagggtt tgccacagct agctgagtca gagctggtag aatctgttgc 360
agcaactgtt gttgcaggta ttaggtgca ttaaccacag cgagagggct agatgaaatc 420
agttgttgct gttgtaggta ggcggcaggg ttcaccatgg ctagttgact gagcgctggg 480
agaaactgtt gcaattgttg ttgttggtgg tatgcaacta tgtttgccag aac 533

<210> 9933
<211> 247
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-102-Q1-N6-C8

<400> 9933

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cttcatactt tnttccattt gtttgggttt tgtcatgcgc ctngcgggtgc cggcgcccnt 120
ttgcatggcg gtgccacaag gagacttctt tcacccatt tcccatgctg gggttgtccg 180
ctccctgggg gtggcctccc tttgtgttta cccaaggct tctcaacctt ggactgggat 240
agccttt 247

<210> 9934
<211> 502
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-D1

<400> 9934

agaaatgtac tttcttattt ctgggacgcc acaaacatca tccaaaaaac ttcattattg 60
aactataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
actgttgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
gcagcagggc tcacatcagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcagcagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtaggcagca 360
actagctggc tgaatggtaa ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
tggttgaatg gaagaaaccg atgttgctga aagtatgcaa catggtttgc tagcacaat 480
tgttttattt gatgagcccc tg 502

<210> 9935

<211> 557

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-D4

<400> 9935

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cattattgaa ctataactca taagcaatct aaaagaggca ccaccaatga tgggttggtg 120
gtagaact gttgagtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
taagaggggtg ccagcggttag gcatagcgtg caggtagaac ggcaacaact gttgttggtg 240
caagaaggca gcagggtca catcagctag ctggctgaat ggtagtagtt gttgctgctg 300
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ggcagcaact agctggctga atggtaattg ttgttgcaaa taagcagcag agttcaatgc 420
agccagttgg ttgaatggaa gaaactgatg ttgctgagag tatgcagcaa ggtttgctag 480
cacaagttgt tgtagttgtt gtgcctgat gttttgtgcc accaaatgga ccaaaggtaa 540
ctgctgtaat agggctg 557

<210> 9936

<211> 532
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-D7

<400> 9936

ctagaaagta ctttcttatt tctggaagc cacaacatc agacaaaaa ctttattatt 60
gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
cgctgctggg tttgtcaaag caagttgggtt gaatggcagc aattgttgca gttgtaagag 180
ggtgccagcg ttaggcgcag cgtgctggta gaacggcaac aactgtgggtt gtatcaagaa 240
ggtagcaggg ctacaccag ctactgggtt gaatggtagt agttgttgct gctgtaaata 300
agcaggagag ttcaatgctg ccagttgggtt gaatggaaaa aattgctggg ggtaggcagc 360
aggtagctgg ctgaatggta gttgttggtt ttgcaaataa gaagcagagt tcaatgcagc 420
tagttgggtt aatggaagaa actgctgttg ctgagagtag gcagcaaggt ttgctagcac 480
aagttgttgt agttgttgtg cccttgatgt ttgtgccaat aaatgcacca aa 532

<210> 9937
<211> 347
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E2

<400> 9937

ggaagaaagc tccaatctaa cccactttca ttcagatcca ttcaatgtaa cgacgaacac 60
agcagggttt actcggatcc cagttacgca acacaccac gggggacaga ccctggcatt 120
ccgaccctac gggagaaaaa ggagtttttg gggctataag caaactgaaa cggggaacac 180
aagaggaaga gaaacttggg aaaccgttaa caactagcca actgctctcc atccagtagc 240
gatgaggaga tcgagcaacg cttatggggc catgctgcca gttccaaagc ctgccttggt 300
tggtcaccaa ttcccttgcc ccgcatttga gttttcagga caccac 347

<210> 9938
<211> 554
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-102-Q1-N6-E4

<400> 9938

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tcaagcacia cttaaatttcc agcaagattc tcttgcaccc atgtccagca gactacaaac 120
tcagttacaa attaaattca actggngaaa actacagtaa caccctacta gtataaaaaat 180
ttcaatcatt tgggtcccggt tccgtgacac tgcgtgaagt tgtaccatc catgtccaga 240
ggacatcaaa aaagaaatta caggccccga tcaggacgca ggctgacaaa cgctcagggc 300
agcaggttca ttatccagaa aatgactaca agtgtcacia tgcattctcat caccttgctg 360
accaagcctc tcgcggaagt gtaacaggtg cttaaattagg cagcaacaag atcaggtggt 420
tctgcctcaa ctgaaagcaa tgtagtatgc acctttccaa cccaggcatc caggcggtcg 480
cgcaaagcct taacctgtgg gattccaagc actctgggct ggaccacga gacatgaact 540
gtactgtcca cttc 554

<210> 9939

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E5

<400> 9939

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gtcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt tgctgcaagg 120
cagggttcat caaagagaac tgggtgtatg gcagcaattg ttgttgctgc tgcaggaagg 180
tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tgttgtaggt 240
acgcagcaga gtttgacaca gccagttggt tgaatggaag caactgttgt aagtaggcag 300
cagggtttgc cacagctagc tgagtcagag ctggtacaat ttgttgacgc aactgttgtt 360
gtaggtacgt aggtgcattg cccaccgca gcgggctaga tgaaagtagt tgtaggtaga 420
cggcagggtt caccatgggt agttgactga gcactggcat aaactgttgc agctgttgtt 480
gttgctggta tgcagctacg ttcgccagag caagtgggtt ggatgc 526

<210> 9940
<211> 543
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E6

<400> 9940

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actgacactg ccacccatgg tgatgctga cacattatta ctcaatcatc gccgctaaat 120
gactcaacta gctagctagc cagcggctat actacagcac atagtttctt cagtggggga 180
caccgcccgc agcagcgtag gggcatggag tcggctgctg caggccgcac atcgccgtca 240
gttgctgctg tatctgcgcc gccaacagcc ccgcgacctg gccgctttgc ggctgctgct 300
gcaggatgga ctggaggacc aagccgaaga tcgcttggtg ccggtgctgc ggctccacct 360
gcctgagctg ctggcaacac tgctgccgca acgactggca ctgaggcgag cagtagggcg 420
tcgccgtcgg gctgcactga tgctcagga actcgacgca ctggcccagg atcggggtgc 480
tgccaacgcc gcaggttccc tgcagctggc acgggcttgg atcgggctgt tggcacgggc 540
atg 543

<210> 9941
<211> 490
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E7

<400> 9941

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atgcgagccc acgttagaac taccocatc tggacttgca cgcgcacagg acacatgctg 120
cgttttgcac ctgcgcccga ctgcatttt ttttaaccat ggtagctagt actggtcgcc 180
gccggaaaaa atgctgcact cctgtggctc cgacagccgg cacattattg gcaaccccgc 240
gggggtactcc cgggcctttg taagccttac ggggccgac cttggcccgg tggtgccggg 300
accacacggg ggatacattt gcgtttggta tccctctcct gcccggtgc aggggtagta 360
gtaaccccc tgctctctc ctccctgcgg gggggggtgt tgccgccgc cccatgggca 420
ccagcctttc ttcagcggcg gcatggcctc cttttatccc ctgacctgc tccggatggg 480

ggcgcaacgg

490

<210> 9942
<211> 553
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E8

<400> 9942

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ttattgaatt acaactaata agcaatctaa aagagggcac caccaatgat gtgttggttg 120
taggaggctg ctgggtttgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 180
aagaggggtg cgggggttagc cgcaaactgc tggtagaaag gcagcaactg ttgctgtgtc 240
aagaaggaag cacggcttgc tgcagctagc tggctaaatg gtagtaatat ttgctgctgc 300
aaataagcag cgaggttcag tgcggccaat tggttaaatg gaagaagttg ttgttgatga 360
gagtaggcag tagctagctg gctgaatggt aatagttggt gctgcaaata agcagcaggg 420
ttcagtgtag atagttgggt gaatggaaga aattgttggt gctgatagta gggagaaagg 480
tttgccagag ctacttggtt gatcacaggt agcacgagtt gctgcagctg ctgtgccttg 540
gatggtttgt acc 553

<210> 9943
<211> 337
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E9

<400> 9943

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ttaagggggg accccttggtg tttggggggg gggaaagact attgtttttt tttttggcgg 120
atatcccga ggggttggtg gtttttgggg gccccaggg gggggcccg ccccccttc 180
ggctgttggg gcgggggggg ggggggggga caggggcaaa gggccggggg ccccgggggc 240
ggggttcct gtgggggggg gggggggccc cgttgcccc tgaactgggg caatggggcg 300
cgccgggggg ggtccccga gggggggggg tttctct 337

<210> 9944
<211> 312
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-F1

<400> 9944

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gccaaagagt aagggtagaa atatccggcc caataataat agggccgaaa acaagaacca 120
acagacagtt acggacgcac ctgaacaacc agccttcagg atgcagtta accaccctgt 180
acagggtgca ccatgactcg gtatatgcta ttatgctcct tcaccaaca cacaattac 240
acaagcatag caatgcttct gagtttaacg gaagaaagcg gcactatgtt ccaacaattt 300
attacccaa ta 312

<210> 9945
<211> 333
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-F3

<400> 9945

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gtggaaagga tttacagttt tgcaaagggc aaacaaaact tttgggtgcct aaaacaggga 120
gatgtaaagc tttttccttc gtagctttgt tatcaagtca tcaaggggct gggggccaaa 180
gggcgtggca tcccatattt tttttttggg ccttggtcgt ttgtgtaaaa ttacatccaa 240
aatttttccc gttgggattt atttaaacta gagaagcaat ccccggaat gtaccagttt 300
gggtttatat aaactaaaac attccgatta gga 333

<210> 9946
<211> 561
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-F4

<400> 9946

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 ctgttgggtt tgtcaaagca agttgggtga atggcagcaa ttgttgctgt tgtaagaggg 180
 tgccagcggt aggcgcagcg tgctggtaga acggcaacaa ttgtgggtgt gtcaagaagg 240
 tagcagggtt cacaccagct agctggctga atggtagtag ttgttgctgc tgtaaataag 300
 caggagagtt caaagctgtc agttgggtga atggaagaaa ttgctggggg taggcagcag 360
 atagctggct gaatggtagt tggtgtgtgt gcaaataaga agcagagtgc aatgcagcta 420
 gttggttgaa tggaagaaac tggtgtgtgt gagagtaggc agcaaggttt gctagcacia 480
 gttgtgttag ttgtgtgtcc ctgatgtttt gtgccaataa aagcaccaaa agtaactgct 540
 gtaatagggc ttgagattgt t 561

<210> 9947

<211> 448

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-F6

<400> 9947

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 tttttttttt tttttttttt ttgggtgttt gtntgggttt tttttntttt nntntntttt 180
 tattttttta tgttttttgt tttttttttt ttttttttgt tttngttttt tttgtatttt 240
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 tttttgtttt ttttttgttt tttttttttt tttttttttt tgtttttttt ttattttttt 360
 atattttttt ttattgtttt attttttttt tttttgtttt ggttattttt tttatttttt 420
 tttttttttt ttttttttta tattttttt 448

<210> 9948

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-G12

<400> 9948

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tggaatgctg ggagtgtgct ttgcttgttg tctgggttag cctcctgct gtggcgctcg 120
gctgggttgt gggggctgtg gctgcgtttt atttctctc gggggcgccc cccgtggtgg 180
gggggggggg gaacgctgct gggtttgtct tctcctgttg gttgtttgg 229

<210> 9949

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-G3

<400> 9949

gcagcaccaa gaagcaccat ttttttcctt aggatttaac ttagaataaa gcctgacggg 60
ggtaacagca cccatcgatc cgcagtcctat gctgggtgat gcatgggtct gctggagccg 120
aggatgaaca cagtactaac aactgacaca gagcgacctt caatcaaaaa cacagatggg 180
caacaacaaa cagagacga acgaagataa acactttggg cttgggttaa caacacggta 240
gcgaacagga taacttgggc gcgcggggccc caccgctcaa ttccttcagt ttccattgga 300
attgccgtag ccgccccac ggttgccacc gtcgtagccg ccgccaccac caccgtaacc 360
gacgtcgtca ccac 374

<210> 9950

<211> 539

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-G9

<400> 9950

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tatccgcacg tacatactac agagccacac ttattgcact gcctgccgct tacgtacata 120
gttaacacgc agagaggtat atacatacac gtccaacgtc tccactcagg ctcatgctac 180
gtacgcacgt cggtcgcgcg ccacctctt gttgcttctt gctcgttttg gcgagcgcg 240

cggcctcaca tcttggcggg aaccatcctc atgagcgtct ccgccacctc ctgcgggcgc 300
 ccgcggccgt ggcgtccttc gcgttcctcc tctctttct cccgtcctc acgtccgtgg 360
 cgttccctct ccccaaggcc gccgtggcgt tcttcgcgtt cctcctcctc ctcttgctcc 420
 cgctcctcgt ggccgcgcgt ctcttgggg ccaggaagga accccttctc gcgcgcgcag 480
 ccgagcacct ngtcacctc ctccgccttg gaggcgaatg acagcgctt tggcgaccc 539

<210> 9951

<211> 537

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-H2

<400> 9951

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 ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattgtt gttgctgctg 180
 caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
 ttgtaggtac gcagcagagt ttgacacagc cagttgggtg aatggaagca actggtgtaa 300
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 taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actggtgcaa 480
 ctgatgttga tgctggtatt caactacctt cgtcagaaca agtgggttgg atgcaag 537

<210> 9952

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-H4

<400> 9952

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 ggggagataa aggggggggg aggggggggg gggggggggc ggcggggggg gggagggggg 420
 ggggaggggg ggggggggga gggggggagg ggggggg 457

<210> 9953

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A10

<400> 9953

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 tgcaaatcat tttagaactg accagatgca gaggcaggaa ttctcgaggc gggctacaca 120
 agtgtgcacc gtgcaactgca atgcccaca acaagattgt agcagcaaac atggaagaga 180
 aaggcgcggg gggcaaggca gcagttccgc atgacgagtt accgcggttt acaatcttcc 240
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 ggattagcct tggcaatggc gtccctggca gcagtccggt agtcgaactt gcagtcgtgc 360
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 agtccaaccc tcttctgca ggcgtgcac cggttcggcc ctaccttccc ccctttggag 480
 atcgccgcca cccctcgtt ggtccggca acatcagcgg gctgctgcac gttcattgtt 540
 tgcaactcaa cttgggcaac agctactacc gtgttgctgc ca 582

<210> 9954

<211> 515

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A12

<400> 9954

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 gttcaacatt gcaggtagt tcaatcaact cgacatggcg cacaatgcgc tgaccactct 120

atgtacattc actcagattc ccaaagccac accaaatcag agtatttcat gattaggaga 180
 tgaaagccct gacacactct gaaacgtcat aaacatctcc tgtcctgggg catgtaatct 240
 tgccgtcatt tttcttggac atctcttgaa ggccttctc actgtagaca tagccgttcg 300
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 tcgagtgggtg ctgttttagag aagggcagag gctcggctag tttcctgaag ccctccagag 420
 acaaggggtc ttctttggga cagctaccct cagagcagaa cgggggtcttg agagctgtca 480
 ggcttgcttg cagatatatg ttcagcagcg gctct 515

<210> 9955

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-A4

<400> 9955

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 ggaaatTTTT ttggtttttt caaaaaaggg tgtttgtttg ggccctTTTT ttggtttttt 180
 gggggggggc cccttttttg cccctgtttt tttttaacct gccaaaattt tggtttgttt 240
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 tatttagggg ggggttttaa ggtttgtatt gtggttgggg gggaaaaatt tggggggggg 360
 gggcggnaaa acttttcctt ttgggggtttt ttttttttgg ttgtattgcc gccgtttttt 420
 tccttttttt ttggtgggaa aaaatTTTTT tttt 454

<210> 9956

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A5

<400> 9956

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acaccactag tggcaacgct gctgcaaggg caaacaccgc aaaaggagtg gcacaagccg 180
ggcattttttg ggaggggatgg gggggccaag ccgaacacca ccggacgggtg aggagcttgt 240
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<210> 9958
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 gcagctgccc cgcacggagc acgtcgctga acaccgtggt cccgttgctg ctggcgacct 540
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<210> 9959

<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A9

<400> 9959

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<210> 9960

<211> 575

<212> DNA
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 <400> 9960

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<210> 9961
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 <223> Clone ID: LIB3061-106-Q1-N6-B10
 <400> 9961

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<210> 9962

<211> 518

<212> DNA

<213> Zea mays

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<210> 9963

<211> 580

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B4

<400> 9963

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<210> 9964
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<212> DNA
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<223> Clone ID: LIB3061-106-Q1-N6-B5

<400> 9964

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<210> 9965
<211> 580
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B6

<400> 9965

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<210> 9966
<211> 608
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B8

<400> 9966

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<210> 9967
<211> 589
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B9

<400> 9967

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<210> 9968

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-C1

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<210> 9969

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-C3

<400> 9969

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<210> 9970

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C6

<400> 9970

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<210> 9971

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C7

<400> 9971

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<210> 9972

<211> 604

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C8

<400> 9972

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<210> 9973
 <211> 497
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C9

<400> 9973

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 <211> 495
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D10

<400> 9974

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495

<210> 9975

<211> 191

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<223> Clone ID: LIB3061-106-Q1-N6-D12

<400> 9975

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<210> 9976

<211> 535

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D2

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tgttttcgat ccataaggca gtcaagctaa ccttaagccg cttcaaggct ttgcggctct 480
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<210> 9977

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D3

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<210> 9978

<211> 593

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D4

<400> 9978

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tcagtgtaga tagttgggtg aatggaagaa attgttggtg ctgatagtag ggagaaaggt 480
ttgcagagc tacttggttg atcacaggta gcacgagttg ctgcagctgc tgtgccttga 540
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<210> 9979
 <211> 268
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-N6-D8

 <400> 9979

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ttggggggggg gggggggggg ggggttgggg gtttttttnh gggggggggg gggggggggg 180
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ttttgggggg ggttgtgtgg ggggggggg 268
  
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<210> 9980
 <211> 549
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-106-Q1-N6-E1

 <400> 9980

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ggtagaatgc tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt 180
gtaagagggg gccagcgtaa ggcgcagcgt gctggtagaa cggcaacaac tgtggttgtg 240
tcaagaagg agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
gtaaataagc aggagagttc aatgctgtca gttggttgaa tggaagaaat tgctgggggt 360
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gtaactgct 549
  
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<210> 9981
 <211> 458

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-E2

<400> 9981

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catgggggttt agccgtctac gtatacatat ttccgccgaa cttatgccgg agtacaatgg 180
ggaaaccaa aaccaagcga cggggcgatt aaaataaatg attggttttt gtatccgatc 240
aattttactc atttactact tggccgggga caagcacttg gggggggggc cctgggggaa 300
ccggtactta tcggggcagt agttgtaaat catgtaactg gcctgcgccc gggggagctg 360
tttctggccg gggctgtcaa gctcctggga cattcatgcc ccgttggagc gcgcgcaggc 420
gggggcttcc ggcgcggtgc acccgggggg ggggtacc 458

<210> 9982
<211> 540
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-E3

<400> 9982

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gactcgaata ggatccaaaa aactcacggc aatatcactg gccgcacaag gcagacatat 120
agctatggat aaattaggct ggggcattgc ccagccacca ccatcgccag caccacagg 180
gaaggactga tcgaaagtca cccttagatc ttgttgaagg caactatgtc gcaactctgt 240
acgtactcgt taactggctc agcgcacaga tagtcctcaa tgagaggggc gacagagaca 300
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agcttggatg cgccccagag caacccttcc atttggacac tccaaacagc ttctctgagc 420
ttggccatgt cagtctcatc ggcccatggc ttcacatcaa ggaaaactga tgacttccca 480
gattctttct tcttgccaga agccttggca gctgcagcac gctcttaagc agcctttttt 540

<210> 9983
<211> 81

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-E5

<400> 9983

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nnngttggtt tttttttttt t 81

<210> 9984

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-E6

<400> 9984

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attattactc aatcatcgcc gctaaatgac tcaactagct agctagccag cggctatact 120

acagcacata gtttcttcag tggggggacac cgccggcagc agcgtagggg catggagtcg 180

gctgctgcag gccgcacatc gccgtcagtt gctgcgctat ctgcgccgcc aacagccccg 240

cgacctggcc gctttgcggc tgctgctgca ggatggactg gaggaccaag ccgaagatcg 300

cctggtaccg gtgctgcggc tccacctgcc tgagctgctg gcaacactgc tgccgcaacg 360

actggcactg aggcgagcag tagggcgctc cgcgcgggct gactgatgc ctcagaaact 420

cgacgcactg gcccaggatc ggggtgctgc caacgccgca ggttccctgc agctggcacg 480

ggcttgatg cggctgttgg cacgggcatg ggtgtggctg gggatgaggc tgaggccggg 540

gcggnrtgagt agggtagtgg catggtggcg gcggcagatg aaccggcggc ggcacat 597

<210> 9985

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-E7

<400> 9985

gcaaacaagt tccctcactc attcaattaa gtagcaaaac ttccgacaag gtgcaaaaga 60

caggtatgta atcaacggcc cccaataaca ctcaaacttg caaacaactg atttgctta 120
 acggcagtac accgcagagt gcaaatacga aaacagcact caagtccaac catagaagaa 180
 aaaaaaggag caatactgtc atgtgccaga taacctctgg aaacatcact caattgcaaa 240
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 cagcaagctg actggtcggg gtgtttgcgt tttgctgatg ggccacattg tggagaacat 360
 ccatcgctc agcaaccttt gacttgaggg catcagggga ctcaagcagg tggaggacct 420
 cagtctgatc catctccaaa agcattccag tgacctttgc cgcttggttt ggttccagtt 480
 gctcaaccag tgggtatagg ttttcaccaa ggatcgttct ttgctgttca ggattagcat 540
 ttgcaagggc agaagtcaga gtcccaattt gggcagcc 578

<210> 9986

<211> 517

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-E8

<400> 9986

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 gataatctgt tttgaatgga aaaagtctaa agtttttaaaa actaaataac tatggctgcc 180
 tactcccaaa gcgtcgagct aaaatctttt ctttcatcaa ctgaaaatac tgttttcctt 240
 ggtcatccat tgtgctcgtg tcaagtgcc a ttatcaactt gtcatgctgg tcttgctcca 300
 agtctacttt tttcttatgc agtcaaagt atctttcatc acgctccttt cgttcgctct 360
 cagttttctc tctcgattct ctcatTTTTT tttacctctt caatggaagg atcagactct 420
 tcatcactgt tgcgcctttt tgctttcatc ttttcctttt cagctttcct tcttgccagt 480
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<210> 9987

<211> 261

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-F1

<400> 9987

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cccggcgggc cntgntggcg cccgcggggc ggttctcttt ctgcgcnggg ncggccggcg 120
gggggggggg ggctcgcccg ggtcctgggg nntctctcgcg ccgggtcgnc ggcggccggc 180
ccgcttgggg gggggcgggc gggggcggtg gcgcgcncgt gctgggcggc gcgggtcccg 240
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<210> 9988

<211> 599

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-F12

<400> 9988

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gttggttaga ggccgctggg tctgtcaaag caagttggac aaagggcaac aattgttgta 180
gttgtaagag ggttgcgggg ttagccgcaa actgctggta gaaaggcagc aactgttgct 240
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gctgcaaata agcagcgggg ttcagtgcgg ccaattgggt aaatggaaga agttgttggt 360
gctgagagta ggcagtagct agctggctaa atggtaatag ttgttgctgc aaataagcag 420
cagggttcag ttagacagt tggttgaatg gaagaaattg ttgttgctga gagtagggag 480
aaaaggtttg ccagagctac ttnggttgat cagaggtagc acgagttgct gcagctgttg 540
tgccctgatg gtttgtagca atgactgcac caaagaaggg ctggcgattg ttgaaacac 599

<210> 9989

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F4

<400> 9989

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 acacagcctc tcaactagta cacgcgggct taggcggggc gtgtacacgc caggcgtggg 120
 tttttttttt cttcacacgt acccaggtgg gggggggggg ggggagccat ggccgccgtc 180
 cgcgcacgcg gtcccccctc ggtattccca cgtctccctt cgaggagca ggcgctcttg 240
 gcggctgggt ccctggcgac tggcgagtgc cgctccggc ggcccgtagc tccgcggctg 300
 gcgttcacta cccttctgtg tgtagctgtg tgccgcgc 338

<210> 9990

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F5

<400> 9990

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 cctcgacaag acagggttta tcaaagagaa ctggttgat ggcagcaatt gttgctgctg 180
 taggaaggca gcgaccaatg ggttagccac tgctagtggg ttaagtaact gttgtcgctg 240
 ttgtaggtac ccagcaaagt tcgacatagt cagttgggtg aatggaagca gctgttgcaa 300
 gtaggcagca gggtttgcca caactagctg agtcagagct ggtacaatct gttgcaacaa 360
 ttgttggtgc aggtatgtag gtgcattggc cacagcgagc gggctagatg aaagcagttg 420
 ttgctgttgt aggtaggcgg cagggttcac catggctagt tgactgagcg ctggcagaaa 480
 ctggttcagc tgttgttgtg gctggtttgc aactacgttt gccagagcaa gtgggtttga 540
 tgcaagcaac tgctgttgca agtaggcggc a 571

<210> 9991

<211> 606

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F6

<400> 9991

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 tggttgaatg gaagaaactg atgttgctga gagtatgcag caaggtttgc tagcacaagt 480
 tgttgtagtt gttgtgccct gatgttttgt gccaccaaag ggaccaaagg taactgctgt 540
 aatagggctg acggttggtg gaggaacaag gtgataatgg taagatgcct gttgcgattg 600
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<210> 9992

<211> 404

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-F7

<400> 9992

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 ggtggggggg gggggggggg gggggggggt aaggggggtg gtgggggttg ggggttggtg 180
 gtgggggggt gggggggggg ggggtttttg gaaatggggg ggggtgtttg ggggaagggg 240
 atttttttga aaaagttggt gttgggggtg ggaaaaattt gggatatgta gaatggggta 300
 tttggngngt taatttggtg ggggtgaaa tgggtgttga gggtttttgg ggtttaaaaa 360
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<210> 9993

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G1

<400> 9993

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atgactgtgt ctgggcagca ttattatgag agtgaagggtg gatgtgctgc tacttcccac 180
tccccttgat gagcaacaag cacctgcatt gagtaatgca agagtgagat gaaacatctc 240
agcaagctaa ttgttctgat gagatattta aaccacaaat tgaattaatc aacattttta 300
aagaatcaca atcaagatca gaaatacttg tagatataga acttagtagt cccaatataa 360
ccaatatcat ctcatctcct cgaacaacca caatagggtc tataacacct cccgcgctca 420
acaataacctg caattatcac ttcatgtgat gcataggaat gcaatgtgta ggtaactctat 480
cttcatacct ctgagagtat aaaaccacat catctgcaaa tatcacttca atgaatgcac 540
atgaatgcaa tgcataatgtc ctctgcct 568

<210> 9994

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G10

<400> 9994

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tttgggggtg ttttttttgg aaaaaaaaaa gccggccctt gggaagggtt ttctgtttta 180
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cctttgaagg ggggcctttt ttttgttttt cccgggggtg ggcccccgga gaaaattttt 300
tttttttttt tttcccccaa attggggggg ggaaagagcc tttttttttt aaaaaagggg 360
cggggccttt tt 372

<210> 9995

<211> 64

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G3

<400> 9995

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tttg 64

<210> 9996

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G6

<400> 9996

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gaaagggccc aactggctag ctggcccggg gttttccccc agcccatagt ttctttgggg 180
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cgctgggttg tgggcttttt gggcccccaa cagccccggg acctggcccc tttgggggtg 300
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<210> 9997

<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G7

<400> 9997

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gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actgttggtt tgtcaagaag 240
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tggttgaatg gaagaaactg atgttgctga gagtatgcag caaggtttgc tagcacaagt 480

tggtgtagtt gttgtgccct gatgttttgt gccaccaaat ggaccaaagg taactgctgt 540
aatagggtg a 551

<210> 9998

<211> 387

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-G8

<400> 9998

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gggggggggg ggggggtggg gggggggggg gggggggggg gggcgctcctc cgggtgggtg 180
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gtggtgcggg tnngccctt gttccctgcc ggttggtggg tgggtgggt ntgctggcgg 360
gcgggtgggt cggcccgggt tttccgg 387

<210> 9999

<211> 300

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-H10

<400> 9999

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ccccctttcg ggtttcgggc ngtggcggtt ttgcctgcgc gctgtgcgct cgcgtccctg 240
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<210> 10000

<211> 413

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-N6-H12

<400> 10000

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gttggtagaa agggagnaat tggtgttggt tnaagaagga agnanggttt gttgnagtta 180
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gtaatagttg ttggtggaaa taagnaggag ggtttagtgt agaaagttgg ttgaatggaa 360
gaaattgttg ttgttgagag tggggagaaa ggtttgnaa gattatttgg ttg 413

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<210> 10001
 <211> 593
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-H5

<400> 10001

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gtaagaacat ggggtggaatc gtcattggcca ttgggttgaa catgaatggt aactgctgtt 180
gcagcataat ctgcgagacg gcgtcgagc gacattgtgg catcatcatt tgcgacatca 240
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tcgcactagt ggcgcttgca caaagagcta ggagagcgaa caatgcaagc atcttggtg 540
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<210> 10002
 <211> 608

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-N6-H7
 <400> 10002

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 tggtagaatg ctgctgggtt tgtcaaagca agttgggtga atggcagcaa ttgttgcaagt 180
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 taggcagcag atagctggct gaatggtagt tgttggttgt gcaaataaga agcagagtgc 420
 aatgcagcta gttggttgaa tggaagaaac tgctgttgct gagagtaggc agcaaggttt 480
 gctagcacia gttgtttagt ttgttggtgc ctgatgtttt gtgccaataa atgcacaaaa 540
 ggtaactgct gtaatagggc tgatgattgt tggaggaaca gggtgataaa ggtaagatgc 600
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<210> 10003
 <211> 273
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-N6-H8
 <400> 10003

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 gtctgtcgcn gatacgcgca actcgacgcc gccttogacg gccacctcct tccgctcgtc 120
 gatgcgaccg tcgccgccgg ccagacgggc gcctatgcga cgagcgccgc cgatttctcg 180
 ogaacgatcg tgccgtattt ccggccgagc gaactgctgc gcgaccgcat catcgacctt 240
 gcgcggcgcc gngccatcgc cgaccgggac acc 273

<210> 10004
 <211> 593
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-H9

<400> 10004

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agaacgctgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
agaggggtgcc agcgttaggc gcagcgtgct ggtagaacgg caacaactgt ggttgatca 240
agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcagg agagttcaat gctgccagtt ggttgaatgg aagaaattgc tgggggtagg 360
cagcaggtag ctggctgaat ggtagttggt gttggtgcaa ataagaagca gagttcaatg 420
cagctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta 480
gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caataaatgc accaaaggta 540
actgatgtaa tagggctgat gattgttgga ggaacaaggc ggacgcgtgg gtc 593

<210> 10005

<211> 276

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A2

<400> 10005

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cttccctcggg gcgcnccttc tgcggcagct tgtgcttgc ttccttgctg cctcctctcc 180
gctcctgctg tttctttcgt ggggcgcggc ttgctgcttt gntctctgct tcttctttgc 240
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<210> 10006

<211> 549

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A3

<400> 10006

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ccgcctccag tacaagcggc ggctgtggct gccagacacc accgtttcat ctaccgctc 120
cgttctatat gccgcctccg ttctatctgc cggcgagca gcagccgcag ccatggcaat 180
acccactca accaccgcag ctaagccgt gccagcagtt eggatcctgc ggcgtcggca 240
gcgtcggcag cccgttcctg ggccagtgc tgcagttcct gaggcaccag tgcagcccg 300
cggcgacgcc ctacggctcg ccacagtgc aggcgtgca gcagcagtc tgccaccaga 360
tcaggcaggt ggagccgtg caccggatcc aggcgacata cgggtgtggtc ctgcagtcct 420
tcctgcagca gcagccgcag ggcgagctcg cggcgctgat ggcgcccgag gttgcgcagc 480
agctgacggc gatgtgcggc ctgcagctgc agcagccagg tcctgcctt tgctacgcac 540
ctgccggcg 549

<210> 10007

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-A5

<400> 10007

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ttatgctcct tgggtcttct gcaagtgttg ctaccgcaac ctttttccca caatgctcac 120
aagtcctat agcttccctt cttccccat acctctcacc agcgggtgtct tcagtgtgtg 180
aaaccccaat tgttcaacct tacaggatcc aacaggcaat cgcaacaggc atcttaccat 240
tatcaccctt gttcctccaa caaccgtcag ccctattaca gcagttacct ttgggtccatt 300
tgggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 360
catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg aactctgctg 420
cttattttgca acaacaatta ccattcagcc agctagttgc tgctacccc cagcaatttc 480
ttccattcaa ccaactagag cattgaactc tgctgcttat ttacagcagc aacaactact 540
accattcagc cagctagctg atgtgagccc tgctgccttc ttgacacaac aacagttggt 600

gccggtctac ctgcacgcta tgccta

626

<210> 10008

<211> 673

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A6

<400> 10008

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aacaacaaag ccatgagcag caacatcatc cacaacaaca tcatccaca aaacaacaac 120
atcaaccacc accacaacat caccagcagc agcaacacca acaacaacaa gttcacatgc 180
aaccacaaaa acatcagcaa caacaagaag ttcattgtgga gcaacaacaa caacaaccgc 240
agcaccaaca acaacaacaa caacaacagc accaacaaca acatcaatgt gaaggccaac 300
aacaacatca ccaacaatca caaggccatg tgcaacaaca cgaacagagc catgagcaac 360
accaaggaca gagccatgag caacaacatc aacaacaatt ccagggtcat gacaagcagc 420
aacaaccaca acagcctcag caatatcagc agggccagga aaaatcaca cagcaacaat 480
gtcattgcca ggagcagcaa cagactacaa ggtgcagcta taactactat agcagtagct 540
caaatctaaa aaattgtcat gaattcctaa ggcagcagtg cagccctttg gtaatgcctt 600
ttctccaatc acgtttgata caaccaagta gctgccaggt attgcagcaa caatgtttgc 660
atgatcttag gca 673

<210> 10009

<211> 558

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A7

<400> 10009

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gntgagagcc gaggacgtta ttttctctc gctggcgtct ggtgtggagc tgggagccga 120
cgcgcagcgc gccgctcatt agctgaaagc agtgtcagag gaacttggac atgagatccg 180

ggtttttttc aagtgagaac tttgctctgc atccgagcaa gctgcctagt gccgatcatg 240
 aggaaggtga cgacttttat gagcttcagc ctgctgatta ctacaacttg atttogaaca 300
 ggatgggaga gctctcttnc ntgcttnnga ctctcaagat gcggggaagcg gaacttgctg 360
 ctcagcgagc aacgcgaaca atggctgtaa tgagggtgcg attccctgat ggctacatac 420
 ttgaggctgg ctttcttcca tcggagaaga ttcatagtct agtggacctg cctctgaaa 480
 tcttgctnga ccagatctgc cattctaact gtattcagtc cttcaaata aacgaaaact 540
 gggcacataa caagactg 558

<210> 10010

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-A8

<400> 10010

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 tgcaagtgt gctacggcga ccattttccc gcaatgctcg caagctccta tagcttcctc 120
 tcttcccccg tacctctcac cagcgggtgtc ttcgggtatgt gaaaacccaa ttcttcaacc 180
 ctacaggatc caacaggcaa tcgcagctgg catcttacct ttatcacctc tgttctctca 240
 acaatcatca gccctattac aacagttacc tttggtgcat ttattggcac aaaacatcag 300
 ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gctactctc agcaacagca 360
 gtttcttcca ttcaaccaac taggttcatt gaactctgct tcttatttgc aacaacaaca 420
 actaccattc agccagctac ctgctgccta cccccagcaa tttcttccat tcaaccaact 480
 agcagcattg aactctcctg cttattttaca gcagcaacaa ctactaccat tcagccagct 540
 agctggtgtg agccctgcta cttctttgac acaaccacag ttgttgccgt tctaccagca 600
 cgttgccgct aacgctggca ccct 624

<210> 10011

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A9

<400> 10011

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acaagctcgc tatttagcgt tccctttctn tgcccccgta ctttctctac tcattcggtg 120
tnncttcggt ttggtgagga gacccgantt gtgncaacnc nntacagga tcgcaacca 180
ggcaatcgca gctttggcat cttaaccttt atcaaccctt gnttcctcca acaatcatca 240
gccctatta cagcagttac ctttgggtgca ttaattggca caaaacatca gggcacaaca 300
actacaacaa cttgtgctag caaaccttgc tgcctactct cagcaacagc agttttcttc 360
attcaaccaa ctagctgcat tgaactctgc ttcttatttg caacaacaac aactaccatt 420
cagccagcta cctgttgctt acccccaaca atttcttcca ttcaaccaac tggcagcatt 480
gaactctcct gcttatttac agcagcagca actactacca ttcagccagc tagctggggg 540
gagccctgct accttcttga cacaaccaca gttgttgccg ttctaccagc acgctgcgcc 600
t 601

<210> 10012

<211> 472

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-B11

<400> 10012

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ttcccagcat ctgcgagtca tgcctcggct acaacccta cctccggatg ttaagagcgg 120
gggggggcaa ataatgcaca atctgtacac gtcctttggc tggattgcgg cggcgtcctg 180
tgcgagatgc atggttcaac atgactgaga tctgccagac atgtcgcaac ctaaggaatg 240
gctgccagggt ctgcctgctg gatcttgaat atgggtctgtc tgctcaggtc cnggggttcag 300
cactctctct cagttccaat gttgcacttc caatgagcga cgtcaatcgc gaatttttgc 360
cagagagcat gactggaggg ccatagctgg cctcgactat gattcatcct atgggaaggg 420
ttggccaaat gctaccttgc tgaaccttta aagacagctc ctttttacta ga 472

<210> 10013

<211> 469
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-B12

<400> 10013

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 tccgctgggg cggcgggggc ttogaacatc cagccgtgca agcctacagg ctacaactag 120
 cgcttgccgc gagcgcctta caacaaccaa ttgcccaatt gcaacagcaa tccttggcac 180
 atctgaccc acaaaccatt gcaacgcagc accaacaaca acagcagttt ctgccatcac 240
 tgagccacct agccgtgggtg aacctgtctc cctacttgca acagcagctg cttgcatcca 300
 acccacttgc tctggcgaac gtggctgctg accagcttca acagccgctg caacagttta 360
 tgccagtgtc cagtcaacta gccatggtga accctgccgg ctacctacaa ctacttttca 420
 tttagcccgg tcgcgggggg caatgcacct acgtacctac aacaacagt 469

<210> 10014
 <211> 655
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-C10

<400> 10014

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 tccatccggc ttctcggcgg cggcggagag gagggggatg gcgcaccggc tgctgcggga 120
 cgcgcaggcg gacgggtggg agcggtcgga cttcccatc atctgcgagt catgcctcgg 180
 cgacaacccc tacgtccgga tgtaagagc tgaatatgac aaagaatgca aaatttgtgc 240
 acgtcctttt actgtattcc ggtggcgtcc tgggcgagat gcaaggtaca agaagactga 300
 gatctgccag acatgttgca agctaaagaa tgtctgccag gtctgcctgc tggatcttga 360
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 tccaaggagt gatgtcaatc gcgaatatct tgcagaagag catgatagga gggccagagc 480
 tggcatagac tatgattcat cctatgggaa ggctcgccca aatgatacca ttctgaagct 540

tcaaaggaca gcaccatatt acaagaggaa cagagctcat gttttgcagn ttnctttgtg 600
gcgagggtga atgtacaaga ggagnctgag tgcccttata gtcattgagat gcctg 655

<210> 10015

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-C2

<400> 10015

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tcacccttgt tcctccaaca accgtcagcc ctattacagc agttaccttt ggtgcatttg 120
ttggcacaaa acatcaaggc acaacaacta caacaacttg tgctaggaaa ccttgctgcc 180
tactctcagc aacagcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct 240
tatttgcaac aacaactacc attcagtcag ctagctgctg cctaccccca gcaatttctt 300
ccattcaacc aactggcagc attgaactct gctgcttatt tacaacagca acagctacca 360
ccattcagcc agctagctga tgtgagccct gttgccttct tgacacaaca acagttgttg 420
ccgttctacc tgcacgctgc gcctaacgct ggcacccctct tacaactgca acaattgctg 480
ccattcaacc aacttgcttt gacaaaccca acagcgttct accaacaacc catcattggt 540
ggtgccctct tttagattgc ttatgagtta tacttcaata atgaagtttt ttggatgatg 600
tttgtggctt cccagaaata agaaagtcatt ttct 634

<210> 10016

<211> 222

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-D1

<400> 10016

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cgggggactg cggcgggcgtg ctgccgtgct ctgggttcgg gcgcgcgccc ttctctctgg 120
cggggtgcgc gctgggtggng ttgttcggcc tcgtcttctt gggctttttc ctctctctct 180
gctttgtggg ggggggtgggc tttctcttgg tcggctggtc cg 222

<210> 10017
<211> 620
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-D2

<400> 10017

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cttcttcccc cgctcctctc accagcgggtg tcttcgggtt gggggggggg gggctctcaa 180
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caacaatcat cagccctatt acatcagttg cctttggtgc atttattggc ccaaaacatc 300
agggcgcan c aactacaaca acttggtgcta gcgaccttg ctgcctactc tcagctgcag 360
cggtttcttc cttcaacca actagctgca ttgaactctg cttcttattt gcnacaacaa 420
caactaccat tcagccagct tctgtctgcc taccocccagc aatttcttcc attcaaccaa 480
ctggcagcgt tgaactctcc tgcttattta cagcagcggc acctactacc attcagccag 540
ctagctggtg ttgagccctg ctaccttctt gatncaacca cagttgttgc cggcttacca 600
gcacgcttgt gcctaacgct 620

<210> 10018
<211> 350
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-E1

<400> 10018

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tgtgtctgcc cctgttctag ctgcagaact gcagctgtac gctgtgtggg gcgggggttc 180
cctcctccgc tcttctatct cctcctctct tggtctgtgg tctgccgggc agctgcgtat 240
cgatccgaga gcaactgctg ctgttacgtg cgggccggcg cgcggggggc gcgcgggtctg 300

tgggcggtag acgacgaccg catcggtcag aaggaatgtc gttcggacca

350

<210> 10019

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-E10

<400> 10019

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gcgcccggcg gagaccgacc gaccgccagc cccangacga ccncncgcgc ccctagcat 120
acctcgccac caccagctgc ccgggtccat gctaaagcag ggaggggtgcg cgggcgagtgc 180
cccggtcctg aagatcgggt tccacgtgga ggagtactcg aaccccgctc acttcgcgggt 240
gctggtggag tacgaggacg gcgacggcga cgtggtgcag gtggacctga tggagtccaa 300
gacggcgcgc ggcccgcga cggggcggtg gacgcgatg cgcgagtcct ggggctccgt 360
ctggcgcatg gacaccaacc accgcatgca gccgcccttc tccatccgca tccgcaacga 420
gtccggcaag acgctcgtcg ccaacaacgt catcccgcc aactggcgcc ccaacacctt 480
ctaccgctcc ttcgtccagc acagataacc gatcgggatc cgtgccctgc ccgcaattgg 540
agctggctgg ctggggcgct actcggctcg gccaccatcg tctacagtac tatactatgc 600
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<210> 10020

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-E3

<400> 10020

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aagatgaaca tcgggctttg cctggctatt cagattccgt gtcacatgt gccggttcct 120
ccatatctgc taagaaagag aacaatgatt ccataagaat gccagcagaa tctctctctc 180
agacagtagg aataggtaat ttaagcctat gatggcatct tctgcattca tttctgctcc 240

cgcatcatgt tgttgcaactg cttatcagta ccatgaagta tgaatacccc tgtacgtgat 300
 ttgcttttacg ggtagacaca tctctacgtt tcacttaata acgtgatata tctgaatata 360
 ttttgattta atcttttctaa taccacaggc attttttacag gagttggtgc tgtaggtgca 420
 caagctgtca gcagaaatgt gaatggtgca gcaccagaat tcaatatccc cnaactggtg 480
 gagtcaattg aagggtgcctg ggcttagacc atccatgtca gtggatgatc tggccaacca 540
 cctaggcaac tgcatctcag agcagatcac ttcaggcgat cgggcattgg ccaacaacga 600
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<210> 10021

<211> 88

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-E7

<400> 10021

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catatccctc cttgcgcttc ttgccctt 88

<210> 10022

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-E8

<400> 10022

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ccattattcc acagctcctc ccaccagata ctgcaatggg gggggggggg ccagccgcgc 180

aagcctacag gctacaacta gcgcttgccg cgagcgccctt acaacaacca attgcccaat 240

tgcaacaaca atccttgga catctaacc tacaaccat tgcaacgcaa caacaacaac 300

aacaacagtt tctgccatca ctgagccacc tagccgtggt gaacctgtc acctacttg 360

aacagcagcc gcttgcatcc aaccacttg ctctggcgaa cgtagctgca taccagcaac 420

aacaacagct gcaacagggt atgccagtgc tcaggcaact agccatggtg aacctgccc 480

gctacctaca actactttca tctagccgcg tgcggggggg caatgcacct acgtacctac 540
aacaacagtt gctgcaacaa 560

<210> 10023
<211> 137
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-F2

<400> 10023

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tcctatngct tcctttcttc ccccttacct ctcaccanct ntgtctgggg gggggggggg 120
gccaattct tcaaccc 137

<210> 10024
<211> 621
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-F4

<400> 10024

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aaaaagagga tgacctctca aaatccattg ccttatgtaa tgtggaatcc aatgggggca 180
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aggataataa aacgtgtgat gagctggaga aatgtgtgag tgattttcta aagttgacaa 300
aacatcatct ttcagcattc aagggaagtcc taagccaatt gattgagaat atcgaaacat 360
atgtcggtaa cttggctgtc ttaacctcaa gggaagagga aaaagaacat ggggatgatg 420
aggcatctga gaggacagat ccacgtaaat cccttgaaga ggaatatcta gaaacagaaa 480
agaagattat aattgcgttc agcatagttg atcacataaa gaaattgttt tattctgggg 540
aaggggctga ttcaaggaga gatgaccag aggtcaagag cttaattgag gagattgaga 600
aatgaggaa tcgttcgagt c 621

<210> 10025

<211> 627

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-F9

<400> 10025

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acctacgcgg ttcatccaa ctggcaggaa ggaacgtgat ggccaagacg agctcgttca 120
agctggagca ccccttgag aagaggcagt ctgaggctaa tcgggtgggg ggggaaggcc 180
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gagaatcaag ctcatgtctg agaaagctat cttcatcttt gtgaagaaca ccttccacc 360
aacagctgct ctgatgtctt caatctatga agagaacaag gatgaggatg gattcctcta 420
catgacctac agtggtgaga acaccttcgg gctcctctag atggctcacc acaatcgggt 480
ctgccttgcc cttgcttccc tactgatgcc ctgcctcgtg taaataagac ctgccaagca 540
attgtgtata ttctggtttc ctgctcaac tgctggaagt ctaaaccta ccttatcatg 600
gacaccgttt aaattaagta attgact 627

<210> 10026

<211> 622

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-G11

<400> 10026

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ctgcaagtgt tgctaccgca accattttcc cacaatgctc acaagctcct atagcttccc 120
ttcttcccc atacctctca ccagcgggtg cttcaatgtg tgaaaaccca attgttcaac 180
cctacaggat ccaacaggca atcgcaacag gcatcttacc attatcacc ttgttctctc 240
aacaaccgtc agccctatta cagcagttac ctttggcca tttggtggca caaaacatca 300
gggcacaaca actacaacaa cttgtgctag caaaccttgc tgcatactct cagcaacatc 360

agttttcttcc attcaaccaa ctggctgcat tgaactctgc tgcttatttg caacaacaat 420
taccattcag ccagctagtt gctgcctacc ccagcaatt tcttccattc aaccaactag 480
cagcattgaa ctctgctgct tatttacagc agcaacaact actaccattc agccagctag 540
ctgatgtgag ccctgctgcc ttcttgacac aacaacagtt gttgccgttc tacctgcacg 600
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<210> 10027

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-G12

<400> 10027

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gagtgaaca aatgcgttca ttattccaca atgctcactt gctccgagtg ccattattcc 180
acagttcctc cctccagtta cttcaatggg cttogaacac ccagctgtgc aagcctatag 240
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atccttggca catctaacca tacaaccat cgcaacgcag cagcaacaag cactgagcca 360
cctagccgtg gtgaacccta tcgcctactt gcaacaacag ctgcttgcat ccaaccact 420
tgctttggca aacgtagctg cataccaaca acaacaacag ttgcaacagt ttctaccagc 480
gctcagtcaa ctagccatgg tgaaccctat cgctaccta caacagcaac aacttctttc 540
atctagcccg ctgctatgg gcaatgcacc tacatactg caacaacagt tggtgcaaca 600
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<210> 10028

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-G7

<400> 10028

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 gggggcgagg ggctgttttt gtactacctg cagcacattc tgggggggga ggtccagatc 180
 cggcagaaga cccacaacct caaccgtctc gaggcccagc gcaatgacct caactcccga 240
 gttagaatgc tcaggaaga gttgcagttg cttcaagagc ctgggtcata tgttggtgag 300
 gtggtgaagg tcatggggaa atcaaaggtt ctggtgaagg tacaccccgaggaggaaatat 360
 gttgttgata tagataagag cattgntctc acaaagatca caccttcaac aagagtcgct 420
 cttcgtaatg atagctatat gctccatctg atcctaccaa gcaaagttga tccattggtc 480
 aatctcatga aagttgagaa ggttcctgat tctacatatg atatgattgg aggccttgac 540
 cagcaaatta aagagatcaa agaggtcatt gagcttccaa tca 583

<210> 10029

<211> 616

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-H12

<400> 10029

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 ccgctccgt tctatctgcc gccgcagcag cagccgcagc catggcaata cccactcaa 180
 ccaccgcagc taagcccgctg ccagcagttc ggatcctgcg gcgtcggcag cgtcggcagc 240
 ccgttcctgg gccagtgcgt cgagttcctg aggcaccagt gcagcccggc ggcgacgccc 300
 tacggctcgc cacagtgcc ggcgctgcag cagcagtgct gccaccagat caggcaggtg 360
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 cagccgcagg gcgagctcgc ggcgctgatg gcggcccagg tagcgcagca gctgacggcg 480
 atgtgcggtc tgcagctgca gcagccaggt ccctgccctt gcaacgcagc tgccggcggt 540
 gtctactact gaggaaacta tgtactgtag taataatgta atggagccgc tgactagcta 600
 cctatagggc tatagc 616

<210> 10030
 <211> 659
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-H3

<400> 10030

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cgtgtacgtg atcctgggcg gcggcggtggc cgcggggtac gccgcgctcg agttcgcccc 180
ccgcgggtggg tactcccgcg gagagctctg catcatctcc gaagaggccg ttgctcctta 240
tgaacgtcct gcactaagca aaggctatctt actcccagaa ggtgctgctc gtcttcagg 300
atttcatact tgtgttggtg ctaatgatga gttactgaca ccgaaatggt acaaagaaca 360
aggcattgaa cttgttcttg gaacaaaagt gattttctgct gatgtgaggg gcaagacatt 420
gcttacaggc actggtgaaa ctatcagcta caaaactcta attattgcga caggtgctcg 480
ggctttgaag ctgcaagaat ttggaatata aggttcagat gcttcaaaca tatgttattt 540
gcgcaacatc gatgacgcgg ataagttggt gagtgtgatg aaatcatgtc ctggtggaaa 600
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<210> 10031
 <211> 430
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-H4

<400> 10031

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cattttttta attcttctg cctcctttct tgttttggct gggccccact gggccgggaa 180
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gccgacaagc tgcggagccg gtgtgacatg cgaggctaga tcgtccgcgt ggagccggtg 300
caetgcttcc accagctgaa tccgtcgccg tottcgtcgt cgttttcttt cccgtcgtct 360

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cttggccatt tccaatcgtg ccatacgcgac gttgtcatgc tcttcgttct gcgccatgga 420
 ggtgaggcac 430

<210> 10032
 <211> 442
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-H7

<400> 10032

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 tttctttttt gcggtccnc tggtgggttc cgtnggagcc cnnaggggca agaccgctgc 120
 tcaaattccc tcgcggggcg atgttcccag cgtcggcctc aacgtgtgcc cgggcgtccc 180
 agcggggcg gcacgcggga gcccgatccc aagtcgtccg ggcgggcgac aactgcgaat 240
 ctgcgcccac ttggcgccgc gtcccggggc ctggccgctt ggaggcgggg aagaggctgc 300
 gaatagagga agcatagggc ggcggtgctt gaagcacggc agctgggcca tctgagcctg 360
 ggaaggtcgg gtcaagatcg tcaaccctca cttcggcgcc tggttagcgg cgccatctcc 420
 gggccgtgtc catgactttt gt 442

<210> 10033
 <211> 589
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-A1

<400> 10033

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 ctgccttctt ccccgcggtt tgcggctctc ccccncccc tctccccctt cggggggtgg 180
 ggggcctttg tccnnccgc tctgcccgc cncnccgccc gctgccccgc cccctctntt 240
 ggcgggcgcc cctntcccn cgtgcctcc tcgcccccc cccctcccc ccccgccgc 300
 cgcccgccgc ccccccncc ccccccccc cttggcccc ccccccccc ccccccccc 360

cccccccccc tccccccccc cncgcccccc cccccccccc cccccntcc ccccgcccg 420
 ccccccttc cgcccccccc cctgcccccc cccccccccc cccctcgcgc cccctctcc 480
 cccccccccc cccccccccc cccggcccc cccccccccc cccccccccc ctcccccccc 540
 ccccgcccg cccccccccc cccccccccc cccccccct cccccccc 589

<210> 10034

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-A10

<400> 10034

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 ccctcaatgc tcacaagctc ctatagcttc ccttcttccc ccataccttc catcaatggt 180
 gggggggagta tgtgaaaacc cagctcttca gccctatagg ctccaacaag caatcgcagc 240
 aagcaacata cctttatcac ccttggtgtt tcaacaatcg ccagccctat ctttggtgca 300
 gtcattggta caaaccatca gggcacagca gctgcagcaa ctctgtgtac ctgtgatcaa 360
 ccaagtagct ctggcaaacc tttctcccta ctctcagcaa caacaatttc ttccattcaa 420
 ccaactgtct aactgaacc ctgctgctta tttgcagcaa caactattac cattcagcca 480
 gctagctact gcctactctc agcaacaaca acttcttcca tttaaccaat tggccgcact 540
 gaaccccgct gcttatttgc agcagcaaat actactacca tttagccagc tagctgcagc 600
 a 601

<210> 10035

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-A11

<400> 10035

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gcgccaggag gccgagcggc ccggtgctct cggccgcgca ctaccgctcc ggggtggggga 180
 cgcgccctctc gctcgccggg cagcccgta cgcgcagcgt gtcctcgctc tcgccccggc 240
 cggcgacctg catgtgct 258

<210> 10036
 <211> 602
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-A12

<400> 10036

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 atgtcacaa gtcctatag ctcccttct tccccatac ctccatcaa tgatagctgg 180
 ggggggtgaa aaccagctc ttcaacccta taggctcaa caagcaatcg cagcaagcaa 240
 cataccttta tcacccttgt ttcaacaatc gccagcccta tctttggtgc agtcattggt 300
 acaaaccatc aaggcacagc agctgcagca actcgtgcta cctgtgatca accaagtagc 360
 tctggcaaac ctttctcct actatcagca acaacaattt cttccattca accaactatc 420
 tacactgaac cctgctgctt atttgcagca acaactatta ccattcagcc agctagctac 480
 tgccactct catcaacaac aacttcttcc atttaaccaa ttggccgcac tgaacctcgc 540
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 tt 602

<210> 10037
 <211> 589
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-A2

<400> 10037

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caattttccc tcaatgctca caagctccta tagcttcctt ttttccccca taccttccat 180
 caattatagc ttcagtatgt gaaaaccag ctcttcaacc atataggctt caacaagcaa 240
 tcgcagcaag caacatacct ttatcgccct tgttgtttca acaatcacca gccctatctt 300
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 tgatcaacca agtagctctg gcaaaccctt ctccctactc tcagcaacaa caattttctt 420
 cattcaacca actgtctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat 480
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<210> 10038
 <211> 593
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-074-Q1-K6-A3
 <400> 10038

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 accagttact tcaatgggct tcgaacatcc agccgtgcaa gcctacaggc tacaactagc 120
 gcttgcgggc agcgcccttac aacaaccaat tgcccaattg caacaacaat ccttggcaca 180
 tgtaacccta caaaccattg caacgcaaca acaacaacaa caacagtttc tgccatcact 240
 gagccaccta gccgtggtga accctgtcac ctacttgcaa cagcagctgc ttgcatccaa 300
 cccacttgct ctggcgaacg tagctgcata ccagcaacaa caacagctgc aacagtttat 360
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 tagcccgctc gcggtgggca atgcacctac gtacctacaa caacagttgc tgcaacaaat 480
 tgtaccagct ctgactcagc tagctgtggc aaaccctgct gcctacttac aacagttgct 540
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<210> 10039
 <211> 696
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-A4

<400> 10039

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cccccccccc ccccccccccc ccccccccccc ccccccccccc ccccccccccc cccccccccgc 240
gcccggggccc ccgcnccccc ccnccccccc ccccccccccc ccccccccccc ccccccccccc 300
cccccccccc ccnccccccc ccccccccg ncccccccccc ccccggnccc ccnccccccc 360
cgcccccccc ccccccccccc ccccccccccc ccccccccccc ccccccccccc ccccncccccc 420
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cccgccccccc ccccccccccc ccccgcccccc ccccccccccc ccccccccccc ccccncccccc 600
cgcgccccccc cgcgcgcccc nccccccncc ccccgcnccg ccgcgcccccc ccccccccccc 660
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<210> 10040

<211> 183

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-A5

<400> 10040

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tttactcatt tagcggcgat gagtaacgta gtgtcaccca tcaccatggg tggcagtgtg 120
agcaatgacc tgaatgaacc attgaaatgg aaaggaataa tatataagga aaaaagagag 180
ggg 183

<210> 10041

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-A6

<400> 10041

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tactcatgga aaattacgct cattgagtga gatattatct agacctgatg ttgggtgggtc 180
atcagagggg gggcgagaag attcagatta tgatgatgaa atggagttgg actatgagac 240
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aacaggaagg cttattaaaa tgcttgcagg ggatggagct gttgtgaact gcatacagtc 600
tcacccct 608

<210> 10042

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-A7

<400> 10042

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gagcagcaac atttagatga tccacagcct gttgcagccc tgcttcgacc tgtgggtctc 480
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<210> 10043
 <211> 590
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 10043

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 gggggggaag ttcgttgtaa tttgccccga caattccaag gtttaccctt tccttccgaa 240
 cttgcctggc cctggtggtt taactccgct gcattcttgc gcgtccatcg agaatgcaga 300
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 ggttaacggc gatgggattc gtgcggatcg gttaggaaat gatgttggtg accgcaaaag 540
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<210> 10044
 <211> 597
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-B11

<400> 10044

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 gggggggcag gatccaacag gcaatcgag ctggcatctt acctttatca cccttggttc 240
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agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat ttgcaacaac 420
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aactgacagc attgaactct cctgcttatt tacagcagca acaactacta ccattcagcc 540
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<210> 10045
<211> 594
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-B2
<400> 10045

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caagctccta tagcttcctt tcttccccca tacctctcac cagcgggtgtc ttcaatgtgt 180
gaaaccccaa ttgttcaacc ctacaggatc caacaggcaa tcgcaacagg catcttacca 240
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gcttatttgc aacaacaatt accattcagc cagctagtgt ctgectacce ccagcaattt 480
cttccattca accaactagc agcattgaac tctgctgctt atttacagca gcaacaacta 540
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<210> 10046
<211> 612
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-C1
<400> 10046

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acaagctcct atagcttccc ttcttcccc atacctctca ccagcgggtgt cttcaatgtg 180
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 tttgggtggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgcatactct cagcaacatc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
 tgcttatttg caacaacaat taccattcag ccagctagtt gctgcctacc ccagcaatt 480
 tcttccattc aaccaactag cagcattgaa ctctgctgct tatttacagc agcaacaact 540
 actaccattc agccagctag ctgatgtgag cctgctgcc ttcttgacac aacaacagtt 600
 gttgccgttc ta 612

<210> 10047

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-C10

<400> 10047

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 aatgctcaca acaatacctc tctccggtga cagccgcgag atttgaatac ccaggtgggg 180
 ggggctacag gctacaagag gccatcgcag caagcatctt acggtcgtta gcattgaccg 240
 tccaacaacc atatgccta ttgcaacaac catccttaat gaatctatat ctccaaagaa 300
 tgcgagcaca acaactacaa caacagttgc ttccaacaat caatcaagta gttgcagcga 360
 accttgctgc ttacctccag caacaacaat ttcttccatt caatcaacta gctgggggtga 420
 accctgctgc ttacttgcag gcacaacagc tactaccatt caaccaactt gtcaggagcc 480
 ctgctgcctt cttactgcag caacagntgc ttccattcca tctacaagtt gtggcaaaca 540
 ttgctgcttt cttgcaacaa caacaacaat tgctgccatt ttaccacag gttgtgggaa 600
 aaattaacgc cttttt 616

<210> 10048

<211> 598

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-C3
 <400> 10048

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 tgctccttgg tctttctgca agtggttgcta ccgcaaccat tttcccacaa tgctcacaag 120
 ctctatagc ttcccttctt ccccatacc tctcaccagc ggtgtcttca atgtgtgaaa 180
 cccaattgt tcaaccctac aggatccaac aggcaatcgc aacaggcatc ttaccattat 240
 cacccttggt cctccaacaa ccgtcagccc tattacagca gttacctttg gtccatttgg 300
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat 360
 actctcagca acatcagttt cttccattca accaactggc tgcattgaac tctgctgctt 420
 atttgaaca acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc 480
 cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 540
 cattcagcca gctagctgat gtgagccctg ctgccttctt gacaaacaac agttgttg 598

<210> 10049
 <211> 466
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-C4
 <400> 10049

cccgggtcgc ccacgctccg taatcaaaat aaattttttg gntgatgtgt gtggccaacc 60
 agaaataaga agttacattt ccagaattct aatgtgaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaagaaa aaaaaaaata aaaggaaaaa aaaaaaaaaa aaacggtgcg tgcttactaa 180
 gagggcccac ctatagtggg ggggtgggtg gaaggcacat ggctgttgtt tttacaacgc 240
 tctaaactga gtaaaacccc gccgtttccc aactcgttcg ctttgcaaaa actcccgtt 300
 tccccagctg gctccattgg gaacaggccc ccacgccccg cgcttcccaa ctgttgcgca 360
 gcccaatgg ntctgtttt cccaactgtt ggggcccctt aatggcgatg ggccgtgccc 420
 cttcccgctg cctttaccgc cccgcttgcc ggggcgttac cccccg 466

<210> 10050
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-074-Q1-K6-C6

 <400> 10050

 gcagcaacaa ctactaccat tcagccagct agctggtgtg agccctgcta ccttcttgat 60
 acaaccacag ttgttgccgt tctaccagca cgctgcgccct aacgctggca ccctcttaca 120
 actgcaacaa ttgctgccat tcaaccaact tgctttgaca aaccagcag cgttctacca 180
 acaaccatc attggtggtg ccctctttta gatttcttat gagttatagt tcaataataa 240
 agttttttgt ctgatgtttg tggcttccca gaaataagaa agtacatttc t 291

<210> 10051
 <211> 712
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-C7

 <400> 10051

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 ggcccccccc ccccccccc cccccnnnc cccccccnn nccccnnccc ccccccccc 120
 ccccccccc ccccccccc ccccccccc ccccccccc ccccgneccc ccccccccc 180
 ccccncccc ccccccccc ccggcgccc ccgggcccc ccccccccc ccccccccc 240
 ccccccccc ccccccccn ncccccccc ccccccccc cccccccgn ccccccccc 300
 ccccccccc ccccccccc ccccccgcc ccccggggc gcccccccc cccccnccc 360
 ccccccccc ccccccccc ccccccccc ccccccccc gncncccc ccccccccc 420
 ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc cgcccccccc 480
 ccccccccc ccccccccc ccccccccc ccccccccn gnccccccc ccccccccc 540
 ccccgneccc ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc 600
 ccccccccc cccccccnc ccccccncc ccccccgcc ccccccccc ccccccccc 660

cccccccccc cccccgcc cccccccgnc gcccccccn ccccccccc cc

712

<210> 10052

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-C8

<400> 10052

tccgctnagc aacatagnaa agcacaatag tgtgccaaca tggcagccaa aaattttgct 60
tccttatgct ccttggtctt tctgtcagtggt tgctaccgca accattttcc cacaatgctc 120
acaagctcct atagcttccc ttcttccccc atacctctca ccagcgggtgt cttcaatggg 180
ggaagacccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcatcttac 240
cattatcacc ctgtttcctc caacaaccgt cagccctatt acagcagtta cctttgggtcc 300
atttggtggc acaaaacatc agggcacaac aactacaaca acttggtgcta gcaaaccttg 360
ctgcatactc tcagcaacat cagtttcttc cattcaacca actggtgca ttgaactctg 420
ctgcttattt gcaacaacaa ttaccattca gccagctagt tgctgectac ccccagcaat 480
ttcttccatt caaccaacta gcagcattga actctgctgc ttattttacag cagcaacaac 540
tactaccatt cagccagcta gctgatgtga gccctgctgc cttc 584

<210> 10053

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-C9

<400> 10053

gaccaocgcc gccggttcat ctaccggcgg cggggcatct gccacctccg gttcacctgc 60
cacctccggt gcatctccca ccgcccgtcc acctgcgcc gccggtccac ctgccaccgc 120
cgggtccatgt gccgcccgcg gttcatctgc cgccgccacc atgccactac cctactgagg 180
gggcccggcc tcagcctcat ccccagccac acccatgccc gtgccaacag ccgcatccaa 240
gcccgtgcc gctgcaggga acctgcggcg ttggcagcac cccgatcctg ggccagtgcg 300
tcgagttcct gaggcacag tgcagcccga cggcgacgcc ctactgctcg cctcagtgcc 360

agtcgttgcg gcagcagtgt tgccagcagc tcaggcaggt ggagccgcag caccggtacc 420
aggcgatctt cggcttggtc ctccagtcca tcctgcagca gcagccgcaa agcggccagg 480
tcgcggggct gttggcggcg cagatagcgc agcaactgac ggcgatgtgc ggcctgcagc 540
agccgactcc atgcccctac gctgctgccg gcggtgtccc cactgaaga aactatgtgc 600
t 601

<210> 10054

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D10

<400> 10054

ctaacaacaa tggctaccaa naattagccc tccttgcgct tcttgccctt tttgtgagcg 60
caacaaatgc gttcattatt ccacaatgct cacttgctcc tagtgccatt attccacagt 120
tcctcccacc agttacttca gtggggggng gaacacctag ctgtgcaagc caacatgcaa 180
caacaagcgc ttgcggcgag cgtcttacaa caaccaattg cccaattgca acaacaatcc 240
ttgccacatc taacaatata agccatcaca acgcaacagc aacaacagtt cctaccagca 300
ctgagccacc tagccatggt gaaccctgcc gcctacttgc aagagcagct gcttgcaccc 360
aaccacttg ctctggcgaa cgtagtgtgca aaccagcaac aacaacagct acaacagttt 420
ctgccaacgc tcagtcaact agccatggtg aaccctgccg cctacgtaca acaacaacaa 480
ctgctttcat ctagcccgct cgctgtgggc aatgcaccta catacctgca acaacaattg 540
ttgcaacaga ttgtaccagc tctgactcaa ctagct 576

<210> 10055

<211> 615

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D12

<400> 10055

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gccagtattc cacagttcct cccaccatta cttcatgggc ttcgaacatc cagccgtgca 120
 agcctacagg ctacaactag cgcttgcggc gagcgctta caacaaccaa ttgcccgggg 180
 gggcaacaat ccttggcaca tctaacccta caaaccattg caacgcaaca acaacaacaa 240
 cagtttctgc catcactgag ccacctagcc gtggtgaacc ctgtcaccta cttgcaacag 300
 cagctgcttg catccaaccc acttgetctg gcgaacgtag ctgcatacca gcaacaacaa 360
 cagctgcaac agtttatgcc agtgetcagt caactagcca tggggaaccc tgccgtctac 420
 ctacaactac tttcatctag cccgctcgcg gtgggcaatg cacctacgta cctacaacaa 480
 cagttgctgc aacaaattgt accagctctg actcagctag ctgtggcaaa ccctgctgcc 540
 tacttacaac agttgcttcc attcaaccaa ctggctgtgt caaactctgc tgcgtaccta 600
 caacagcgac aacag 615

<210> 10056

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D3

<400> 10056

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 agatctttcc ctccctatgc tccttgctct ttctgcatgt gttgctaacg cgacaatttt 120
 ccctcaatgc tcacaagctc ctatagcttc ccttcttccc ccataccttc catcaatgat 180
 agcttcagta tgtgaaaacc cagctcttca accctatagg ctccaacaag caatcgcagc 240
 aagcaacata cctttatcac ccttgtttca acaatcgcca gccctatctt tgggtgcagtc 300
 attggtacaa accatcaagg cacagcagct gcagcaactc gtgctacctg tgatcaacca 360
 agtagctctg gcaaaccctt ctccctacta tcagcaacaa caatttcttc cattcaacca 420
 actatctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat tcagccagct 480
 agctactgcc tactctcatc aacaacaact tcttccattt aaccaattgg ccgcactgaa 540
 cctcgctgct tatttgcagc agcaaattt actaccattt agccagctag ctgcagcaag 600
 ccgtgct 607

<210> 10057
 <211> 593
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-D4

 <400> 10057

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 ctaccaanat ttagcccttc ttgcgcttct tgcccttttt gtgagcgcaa caaatgcgtt 120
 cattatttca caatgctcad ttgctcctag tgccattatt ccacaattcc tcccaccagt 180
 tacttcaatg ggcttcgaac acccagctgt gcatgcctac aggctacaac aagcgcttgc 240
 ggcgagcgtc ttacaacaac caattgcccc attacagcaa caatccttgg cacatctaac 300
 aatacaaacc atcgcaacgc aacagcaaca acagttccta ccagcactga gccacctagc 360
 catggtgaac cctgccgcct acttgcaaca gcaactgctt gcatccaacc cacttgcctt 420
 ggcaaacgta gttgcacacc agcaacaaca acagctgcaa cagtttctgc cagcgctcag 480
 tcaactagcc atggtgaacc ctgccgccta cctacaacag caacaactgc tttcatctac 540
 cccgctcggt ctggccaatg cacctacata cctgcaacaa caattgttgc aat 593

<210> 10058
 <211> 605
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-D6

 <400> 10058

caccacggtg tcttcggtat gtggaaaacc caattcttca accctacagg atccaacagg 60
 caatcacagc tggcatctta cttttatcac ccttggtcct ccaacaatca tcagccctat 120
 tacatcagtt acctttggtg catttattgg cacaaaacat cagggcacia caactacaac 180
 aacttgtgct agcaaactt gctgcctact ctgagcaaca gcagtttctt ccattcaacc 240
 aactagctgc attgaactct gtttcttatt tgcaacaaca acaactacca ttcagccagc 300
 tacctgctgc ctacccccag caatttcttc cattcaacca actggcagca ttgaactctc 360
 ctgcttattt acagcagcaa caactactac cattcagcca gctagctggt gtgagccctg 420

ctaccttctt gatacaacca cagttgttgc cgttctacca gcacgtgcg cctaacgctg 480
gcacctctt acaactgcaa caattgctgc cattcaacca acttgctttg acaaaccag 540
cagcgttcta ccaacaaccc atcattggtg gtgccctctt ttagatttct tatgagttat 600
agttc 605

<210> 10059

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D7

<400> 10059

aacaatggcg accaanattt ttccctcctt atgctccttg ctctttctac tgtgttgcta 60
acgcgacaat ttccctcaa tgctcacaag ctctatagc ttcccttctt ccccatacc 120
ttccatcaat tgtggggtca gtatgtgaaa accagctct tcaaccatat aggcttcaac 180
aagcaatcgc agcaagcaac atacctttat cgcccttggt gtttcaaaa tcaccagccc 240
tatctttggt gcagtcattg gtacaaacca tcagggcaca acagctgcag caactcgtgc 300
tacctgtgat caaccaagta gctctggcaa acctttctcc ctactctcag caacaacaat 360
ttcttccatt caaccaactg tctacactga acctgctgc ttatttgcag caacaactat 420
taccatttag ccagctagct actgcctact ctacgaaca acaacttctt ccatttaacc 480
aattggccgc actgaacccc gctgcttatt tgcagcagca aatactactg ccatttagcg 540
agctagctgc agaaagttgt gc 562

<210> 10060

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D9

<400> 10060

anaagtggna atccagtagc aacaacagag caacaatggc gaccaagata ttttccctcc 60
ttatgctcct tgctctttct gcatgtgttg ctaacgcgac aattttccct caatgctcac 120

aagctcctat agcttccctt cttcccccat accttccatc aatgatagct tcagtatgtg 180
aaaaccagc tcttcagccc tataggctcc aacaagcaat cgcagcaagc aacatacctt 240
tatcaccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca ttggtacaaa 300
ccatcagggc acagcagctg cagcaactcg tgctacctgt gatcaaccaa gtagctctgg 360
caaacccttc tcctactct cagcaacaac aatttcttcc attcaaccaa ctgtctacac 420
tgaaccctgc tgcttatttg cagcaacaac tattaccatt cagccagcta gctactgcct 480
actctcagca acaacaactt cttccattta accaattggc cgcactgaac cccgctgctt 540
atttgagca gcaaatacta ctaccattta gccagctagc tgcagcaaac cgtgcttctt 600
tcttg 605

<210> 10061
<211> 594
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-E1
<400> 10061

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tatgctcctt ggtctttctg caagtgtctg tacggcgacc attttcccgc aatgctcgca 120
agctcctata gcttcccttt cccccgtacc tctcaccagc ggtgtcttcg gtgtgggaaa 180
acccaattct tcaaccctac aggatccaac aggcaatcac agctggcatc ttacctttat 240
cacccttggt cctccaacaa tcatcagccc tattacatca gttaccttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactagc tgcaattgaac tctgcttctt 420
atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc cagcaatttc 480
ttccattcaa ccaactggca gcattgaact ctctgtctta tttacagcag caacaactac 540
taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgatacaa ccac 594

<210> 10062
<211> 619
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-E10

<400> 10062

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tcctcccacc agttacttca atgggcttcg aacatccagc cgtgcaagcc tacaggctac 120
aactagcgct tgcggcgagc gccttacaac aaccaattgc ccaattgcaa caacgggggg 180
tgggggcatc taaccctaca aaccattgca acgcaacaac aacaacaaca acagtttctg 240
ccatcactga gccacctagc cgtgggtgaac cctgtcacct acttgcaaca gcagctgctt 300
gcatccaacc cacttgctct ggccaacgta gctgcatacc agcaacaaca acagctgcaa 360
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ctttcatcta gcccgctcgc ggtgggcaat gcacctacgt acctacaaca acagttgctg 480
caacaaattg taccagctct gactcagcta gctgtggcaa accctgctgc ctacttacia 540
cagttgcttc cattcaacca actggctgtg tcaaactctg ctgcgtacct acaacagcga 600
caacagttac ttaattcat 619

<210> 10063

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-E11

<400> 10063

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aacaacaatc cttgccacat ctaacaatac aagccatcac aacgcaacag caacaacagt 120
tcctaccagc actgagccac ctagccatgg tgaacctgc cgctacttg caagaggggg 180
gggttgcatc caaccactt gctctggcga acgtagttgc aaaccagcaa caacaacagc 240
tacaacagtt tctgccaacg ctcagtcaac tagccatggt gaacctgccc gctacgtac 300
aacaacaaca actgctttca tctagccgc tcgctgtggg caatgcacct acatacctgc 360
aacaacaatt gttgcaacag attgtaccag ctctgactca actagctgtg gcaaaccctg 420
ttgcctactt gcaacagctg cttccattca accaactgac tctgtcgaac tctgctgcgt 480

acctacaaca gcgacaacag ttacttaatc cattggtagt ggctaacca ttggtcgccg 540
ccttcctaca gcagcaaca 559

<210> 10064

<211> 571

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-E3

<400> 10064

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ttttccctcc ttatgctcct tgctctttct acatgtgttg ctaacgcgac aattttccct 120
caatgctcac aagctcctat agcttccctt cttcccccat accttccatc aattatagct 180
tcaatatgtg aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc 240
aacatacctt tatcgccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca 300
ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctct gatcaaccaa 360
gtagctctgg caaaccttcc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt tagccagcta 480
gtactgcct actctcagca acaacaactt cttccattta accaattggc cgcactgaac 540
cccgtgctt atttgcagca gcaaatacta c 571

<210> 10065

<211> 602

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-E4

<400> 10065

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ttatccctct ttgcgcttct tgcccttttt gtgagcgcaa caaatgcgtt cattattcca 120
caatgctcac ttgctcctag tgccattatt ccacagttcc tccctccagt tacttcaatg 180
ggcttogaac acccagctgt gcaagcctac aggetacaac aagcgcttgc ggcgagcgtc 240
ttacaacaac caattgccca attacaacaa caatccttgg cacatctaac catacaaacc 300

atcgcaacgc aacagcaaca acaattttcta ccagcactga gccaaactagc tgtggtgaac 360
 cctgtgcgct acttgcaaca gcagttgctt gcattccaacc cacttgctct ggcaaacata 420
 gttgcatacc aacaacaaca acaattgcaa cagttttctac cagcgctcag tcaactagcc 480
 atggtgaacc ctgccccta cctacaacag caacaactga tttcatctag cctctcgt 540
 gtggttaatg cacctacata cctgcaacaa cagttgctgc aacagattgt accagctctg 600
 ac 602

<210> 10066

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-E7

<400> 10066

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 tgccgcagtt gccgaccga agcgggaagcg gaccgcccgc gccgccaaga ccacctccct 120
 taagaaccag atccgctcca ccgagcgctt cctccgcaag gaccttcgga atgagaggag 180
 ggggggtcaa gagaagaaac tggaagaact gaagaggcaa caagagcttc agaatacaact 240
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 gattgagagg atgataaggc gactcgagaa gcaacaacgt tcaaatggtg atggtgtcaa 360
 caataatctg tcaaaattgc gagaagatct tgaatatggt agattcttcc ctaagaatga 420
 gaaatatgtc tcgctgttca ctggaggga cagtcaagat attgttcaag agaggaataa 480
 atggcgcaaa cagatcaagg agaattctcat ggctgtgca gcaaacggaa aagattttaga 540
 agagacagca agcgatgacg ataccttgga tgtgagtgat gatgacttct ttatgtctgg 600

<210> 10067

<211> 557

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-E8

<400> 10067

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 tttctgcaag tgctgctacg ggcaccattt tcccgaatg ctgcgaagct cctatagctt 120
 cccttcttcc cccgtacctc tcaccagcgg tgtcttcggt atgtgaaaac cgaatgcttc 180
 aaccctacag gatccaacag gcaatcgag ctggcatctt accttatca cccttggttc 240
 tccaacaatc atcagcccta ttacaacagt tacctttggt gcatttattg gcacaaaaca 300
 tcagggcaca acaactacaa caacttggtc tagcaaacct tgctgcctac tctcagcaac 360
 agcagtttct tccattcaac caactagggt cattgaactc tgcttcttat ttgcaacaac 420
 aacaactacc attcagccag ctacctgctg cctaccccca gcaatttctt ccattcaacc 480
 aactagcagc attgaactct cctgcttatt tacagcagca acaactacta ccattcagcc 540
 agctagctgg tgtgagc 557

<210> 10068

<211> 549

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-E9

<400> 10068

gcactagcaa cgacctaaaca acaatggcta ccaanattta gccctccttg cgcttcttgc 60
 cctttttgtg agcgcaacaa atgcgttcat tattccacaa tgctcacttg ctccctagtgc 120
 cattattcca cagttcctcc caccagttac ttcaatgggc ttggaacacc tagctgtgca 180
 agccaacatg caacaacaag cgcttgccgc gagcgtctta caacaaccaa ttgcccaatt 240
 gcaacaacaa tccttgccac atctaacaat acaagccatc acaacgcaac agcaacaaca 300
 gttcctacca gcactgagcc acctagccat ggtgaacctt gccgcctact tgcaagagca 360
 gctgcttgca tccaaccac ttgctctggc gaacgtagtt gcaaaccagc aacaacaaca 420
 gctacaacag tttctgcaa cgctcagtca actagccatg gtgaacctg ccgcctacgt 480
 aacaacaaca caactgcttt catctagccc gctcgtgtg ggcaatgcac ctacatacct 540
 gcaacaaca 549

<210> 10069

<211> 537

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-F1
 <400> 10069

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gggggggcccc ccccccncc cccccgggcg cccccncccc ccccccccc ccccccccn 60
nncccccccc ccccccccc ccccccccc ccccccccc ccccncccc cncncccc 120
cccccccccc ccccccccc nggggggggg gggnccccc ccccccccc ccccccccc 180
cccncccccc ccccncccc ccccccccc cccnncccc ccccccccc ccccncccc 240
nncccccccc ccncccccc ccccccccc ccccccccc ccccccccc cnncccccc 300
cccccccccc cccncccccc cccccnccc ccccccccc ccccccccc ncccccccc 360
cccccccccc ccccccccc ccccccccc ccccccccc ccccccccc ncccccccc 420
cccccccncc cccncccccc ccccccccc ccccccccc ccccccccc ccccccccc 480
cccccccccc ccccccccc ccccccccc ccccccncc ccccccccc ccccccc 537

```

<210> 10070
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-F10
 <400> 10070

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gggggcaggg ggctcccagg tcctggcggg cggcctcncc gggggggcgt tggggctgtc 60
cgtgtacccg acggacgtgg tgaagagcgt gatccaggtg gacgattaca agaagcccaa 120
gtactccggg tccctcgacg cgctgaggaa gatcgtggcg gctgatgggg tgaagggcct 180
gtacaagggg ttcgggaccg gggctggcac ncancgttcc anccaatgcc gcgacattcg 240
tggcctacga gatcacgaga tcggcgcttg gttgatttga ttggtgctgg cctttgccat 300
ggccctttgc agttttattca ttctccttgc gcggctggag caacgcgaac aatgcgagac 360
aattttaggg aggaaagaga gagagaaact tttcacttca atgatgagat tctttaatga 420
agc 423

```

<210> 10071
<211> 570
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-F11

<400> 10071

cgtaccggta cgaacactga ccgcgggagg ccgcaactca aagagtgtga ccacggaact 60
gaagccatgg cggttacagt tgagaagggc tctatgggag agccggcgct gctgctggag 120
cgcagccggg cgatcaccct gcacggccgt gaccggaaag gccgtgccgg ggggggggacg 180
tcnncaacta ctttccagcg cgcgcgctgg ggggcccggc ggaggaggcg ctgcggctgt 240
acctgcccga gcgcattctc ccggagatcg gggaccgcga gttcgtggtc gtgtacatgc 300
actcccgcgt ggatcgcggc cacaacttcc ccggcgctcg tgcatccgc ggcgcgtacg 360
agacgctgcc ggccgcggcc aaggagaggc tgcgcgccgt ctacttcgtg caccggcccc 420
tccagtccag gatcttcttc gccaccttcg ggcgcttcct cttcagctca nggttgtatg 480
agaagctgcg atacatgagc cggcttgagt acgtttgggc ccacatagac aaggagcagc 540
tggagggtccc cgaatgctgt cgcgagcacg 570

<210> 10072
<211> 617
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-F12

<400> 10072

cccagcgtcc ggcaacatag aagggggggg gaggggcaac aacagagcaa caatggcgac 60
caagatattt tccctcctta tgctccttgc tctttctgca tgtgttgcta acgcgacaat 120
tttccctcaa tgctcacaag ctctatagc ttcccttctt ccccatacc ttggagcagg 180
agggcttcag tatgtgaaaa ccagctctt cagccctata ggctccaaca agcaatcgca 240
gcaagcaaca tacctttatc acccttggtg tttcaacaat cgcagccct atctttggtg 300
cagtcattgg taaaaacat cagggcacag cagctgcagc aactcgtgct acctgtgatc 360
aaccaagtag ctctggcaaa ctttctctcc tactctcagc aacaacaatt tcttccattt 420

aaccaattgg ccgcactgaa ccccgctgct tatttgcagc agcaaatact actaccatth 480
agccagctag ctgcagcaaa ccgtgcttcc ttcttgacac agcaacagtt gctgcctttc 540
taccagcagt ttgcggctaa ccccgcaacc ctcttacaac tacaacaatt gttgcccttt 600
gtccaacttg ctttgac 617

<210> 10073
<211> 583
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-F2

<400> 10073

cgtcagccta gcattagctc acgactccgg atgggagact cgacaccatg aagtgcctgat 60
cgttgccctt gctctcctgg cgctcgtgc gagcgccgcc tccagtacaa gcggcggctg 120
tggtgccag acaccaccgt ttcattctacc gcctccgttc tatatgccgc ctgcgttcta 180
tctgccgccg cagcagcagc cgcagccatg gcaatacccc actcaaccac cgcagctaag 240
cccgtgccag cagttcggat cctgcggcgt cggcagcgtc ggcagcccgt tcttgggcca 300
gtgcgtcgag ttctgaggc accagtgcag cccggggggc acgccctacg gctcgccaca 360
gtgccaggcg ctgcagcagc agtgcctgcca ccagatcagg caggtggagc cgctgcaccg 420
gtaccaggcg acatacggcg tggctctgca gtccttctg cagcagcagc cgcagggcga 480
gctcgcggcg ctgatggcg cccaggtagc gcagcagctg acggcgatgt gcggcctgca 540
gctgcagcag ccaggtccct gcccttgcaa cgcagctgcc ggc 583

<210> 10074
<211> 617
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-F3

<400> 10074

gctaacgga caattttccc tcaatgtca caagctccta tagcttccct tcttccccca 60
taccttccat caatgatagc ttcatgtgt gaaaaccag ctcttcagcc ctataggctc 120
caacaagcaa tcgcagcaag caacatacct ttatcacct tgttggttca acaatcgcca 180

gccctatctt tgggtgcagtc attggtacaa accatcaggg cacagcagct gcagcaactc 240
 gtgctacctg tgatcaacca agtagctctg gcaaaccctt ctcctactc tcagcaacaa 300
 caatttcttc cattcaacca actgtctaca ctgaaccctg ctgcttattt gcagcaacaa 360
 ctattaccat tcagccagct agctactgcc tactctcagc aacaacaact tcttccattt 420
 aaccaattgg ccgcactgaa ccccgctgct tatitgcagc agcaaatact actaccattt 480
 agccagctag ctgcagcaaa ccgtgcttcc ttcttgacac agcaacagtt gctgcctttc 540
 taccagcagt ttgcggctaa ccccgcaacc ctcttacaac tacaacaatt gttgcccttt 600
 gtccaacttg ctttgac 617

<210> 10075
 <211> 535
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-F4
 <400> 10075

cgccccgcgc ccgcnncnnn caggcgccgg cccccgcen ccccccccc cccccgcgc 60
 ccccccggc ccgcccccc ncccccccc ccgcccccc cccncccc cccccggcgg 120
 gggggcgggc ccccccccc ccccccccn ccnngcccc ccccccccc cggccccccc 180
 cccncccc ccccccccc ccccccccc ccncccccc ccccccggg ncccccccc 240
 ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc 300
 ccccccccc ccccccccc ccccccccc ccccccccc ccccccnccc ccccccccc 360
 ccccccccc ccccccccc ccccccccc ccccccccc ccgcccccc ccccccgcc 420
 ccccncccc ccccccccc ccccccccc ccccccccc ccccccgccc ccccccccc 480
 ccgcccccc ccccccccc ccncccccc ccccccccc cgcccgccc acacc 535

<210> 10076
 <211> 591
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-074-Q1-K6-F5
 <400> 10076

ctgctccta gtgccattat tccacaggtg gtgccaccag ttacttcaat gggcttcgaa 60
 catccagccg tgcaagccta cagggtacaa ctacgcgttg cggcgagcgc cttacaacaa 120
 ccaattgccc aattgcaaca acaatccttg gcacatctaa ccctacaaac cattgcagcg 180
 gagcaacaac aacaacaaca gtttctgcca tctctgagcc acctagccgt ggtgaaccct 240
 gtcacctact tgcaacagca gctgcttgca tccaaccac ttgctctggc gaacgtagct 300
 gcataccagc aacaacaaca gctgcaacag tttatgccag tgctcagtca actagccatg 360
 gtgaaccctg ccgtctacct acaactactt tcatctagcc cgctcgcggt gggcaatgca 420
 cctacgtacc tacaacaaca gttgctgcaa caaattgtac cagctctgac tcagctagct 480
 gtggcaaacc ctgctgccta cttacaacag ttgcttccat tcaaccaact ggctgtgtca 540
 aactctgctg cgtacctaca acagcgacaa cagttactta atccattggc a 591

<210> 10077

<211> 513

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-F6

<400> 10077

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 tcggcggtcc ggcgatctcg ctcaccggcg ggaacatgac tacttcaagg cgccttgctg 120
 acaggaagac cgcaaagtgc cagaagaaca tcaccaggag gggttctgtg cctgaaacca 180
 ctgtcaagaa gggaaatgac taccctgttg gccctctagt gcttgggttc ttcattcttg 240
 tcgtcattgg atcatcgctg tttcagatca tcaggacggc aaccagcggc ggggtggctt 300
 gagagccggc ccacatctaa tccccagtat agagagttgc ttgttatata tgcattccagc 360
 taggattggg tagcagctaa aatgttaaac gtgacaagac tgccctgcat tccgttcatt 420
 tgggtggcct tgaatctgga actgaaccat aaggcagaat catgtacctt atataaagtg 480
 ttaaattggg aactggatct cagtgtttca ttt 513

<210> 10078

<211> 370

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-F7

<400> 10078

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cccccgcccc cccccccccc ccggggggggg ggggggcgcnc ccgccccccn ccgccccgcc 60
ccgccccgcc cccccccccc ccnngccccg gccccccccc ccccccgccc cccccccccc 120
gccccccccc cgcgcccccc nncncccccc cccccccccc cncccccggc ggggggcgcgg 180
ggggggnccc cccccccccc cccccccccc gcnccccccc gncccccccc ccgccccgcc 240
ccccccccc cgcnccccc cccccccccc gccccccccc cccccccccc gccccggccc 300
ngccccngcc agccccncc cccccccccc gcgcgcgcgc cncccccccc cccccccccc 360
ccccccccc 370

```

<210> 10079
 <211> 609
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-F9

<400> 10079

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gcaacatagn aagtagaatc cattagcaac aatagagcaa caatggcgac caagatattt 60
tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat tttccctcaa 120
tgctcacaag ctctatagc ttcccttctt ccccatatac ttccatcaat tatagcttga 180
gggtgtgaaa acccagctct tcaaccatat aggtttcaac aagcaatcgc agcaagcaac 240
atacctttat cgcccttggt gtttcaacaa tcaccagccc tatctttggg gcagtcattg 300
gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat caaccaagta 360
gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt caaccaactg 420
tctacactga accctgctgc ttatttgag caacaactat taccatttag ccagctagct 480
actgcctact ctgagcaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540
gctgcttatt tgcagcagca aatactactg ccatttagcg agctagctgc agcaagtcgt 600
gcttccttc 609

```


<210> 10080
 <211> 278
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-G11

<400> 10080

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ggcggccaaa atttttccat ccttagetcc ttgctctttc tgctgtgttg ctaacgcgac 60
catttttccct caatactcac aagctcctat agctgccctt cttcccccat accttccatc 120
aatgaccgct tcaggggggg gggggcaaac ccancancct tctaccaaca acacatcatt 180
ggcgggtgcca tcttttaaatt tgcttattag ttgtaattca ataatgaagt tttttggctg 240
atgtatgtgg cctcctagaa ataagaagtt acatttcc 278
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<210> 10081
 <211> 625
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-G12

<400> 10081

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gcagcggcaa ctgcgcttcg aaatacaggg ggaggggtggc ctatctcgaa gattttcaaa 60
agtttgtgtcc tattacggtc tcacaacccc gccatataaa ctggatgctc tggaacctta 120
tatgagcaag aggacagttg aacttcactg gggtaagcac catcaagatt acgtgggggg 180
gtgggataat cagctggcta ccagccctct gtatggatac actctggagg atctgataaa 240
agaagcttat aacaatggca atccattacc agagtataac aacgcagcac agccaatcat 300
cagcctagac ttgtgggagc acgcttacta cttagactac aaggatgata agctaacata 360
tgtcaciaaac tttatggacc atcttgtctc ttggcatact gtcactctac gcatgatgcg 420
tgcagagtct tttgtgaacc ttggtgagcc aaatatccca gaggcttgag ctacaaatac 480
accctagtta tcatcatgag gcatttttcg gatacatcgg atcaaactct gctggaggaa 540
ccagagagtt ggaaaatctc atgtctcaca agaaatgctt atcaccccaa tgtcatacac 600
gccaaagataa gctgctagga tttca 625
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<210> 10082
 <211> 537
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-G2

<400> 10082

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ccttcagggg ggggggcgtc ggcccttatg agtccgcgtg cgcataaaag cgtggggatt 60
tgcggcagcg atgtgacta cctcagggna nagcgcatcg cgcacttcgt ggtgaaggag 120
ccgatgggtga tcgggcacga gtgcccggnc gtggtcgggg aggtgggcgc cggcgtgacg 180
cacctgtccg tgggcgaccg cgtggcgctg gagccgggcg tcagctgctg gcgctgccgc 240
cactgcaagg gcgggcggta caacctgtgc gaggacatga agttcttcgc caccgcgccg 300
gtgcacggct cgctggcgaa ccagggtggtg caccggccg acctgtgctt caagctcccc 360
gacgggggtga gcctggagga gggcgccatg tgcgagccgc tgagcgtggg cgtgcacgcg 420
tgccgncgcg cgggggtggg gcccagagacg ggcgtgctcg tggggggcgc cggcccatc 480
ggcctggtgt cgctgctggc ggcgcgggcc cttcgcgcgc cgcgcgtggg ggtcgtg 537
```

<210> 10083
 <211> 613
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-G3

<400> 10083

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gcaacatagn aaagcacaat agtgtaccaa caatggcagc caaaaatttt gctccttat 60
gctccttggg tttctgcaa gtgctgtac ggcgaccatt ttcccgcaat gctcgcaagc 120
tcctatagct tcccttcttc ccccgtaact ctaccagcg gtgtcttcgg tatgtgaaaa 180
cccaattctt caacctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
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ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
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tccattcaac caactggcag cattgaactc tcttgcttat ttacagcagc aacaactact 540
 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac cacagttggt 600
 gccgttctac cag 613

<210> 10084

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-G5

<400> 10084

gcaaagcggc agtgcgtaga aaggatgcgg ggagcaggaa cagcatgaag aggtcatcgt 60
 tctcgtcgtg tgcttggtc tgctcagctgc cagcgcctct gcaatgcaga tgccctgccc 120
 ctgcgcgggg ctgcagggt tgtacggcgc tggcgccggc ctgacgacga tgatgggggc 180
 gggcggggtg taccctacg cggagtacct gaggcagccg cagtgcagcc cgctggcggc 240
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 gtgctgccag cagcagatga ggatgatgga cgtgcagtcc gtcgcgcagc agctgcagat 360
 gatgatgcag cttgagcgtg ccgctgccgc cagcagcagc ctgtacgagc cagctctgat 420
 gcagcagcag cagcagctgc tggcagccca ggggtctcaac cccatggcca tgatgatggc 480
 gcagaacatg ccggccatgg gtggactcta ccagtaaccag taccagctgc ccagctaccg 540
 caccaacccc tgtggcgtct ccgctgccat tccgc 575

<210> 10085

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-G6

<400> 10085

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 cctccttgcg cttcttgccc tttttgtgag tgcaacaaat gcgttcatta ttccacaatg 120
 ctcacttgct ccgagtgcga ttattccaca gttcctccct ccagttactt gaatgggctt 180

cgaacaccca gctgtgcaag cctataggct acaacaagcg cttgcggcga gcgtcttaga 240
acaaccaatt gcccaattac aacaacaatc ctttagcacat ctaaccatac aaaccatcgc 300
aacgcagcag caacaagcac tgagccacct agccgtggtg aaccctatcg cctacttgca 360
acaacagctg cttgcatcca acccacttgc tttggcaaac gtagctgcat accaacaaca 420
acaacagttg caacagtttc tgccagcgct cagtcaacta gccatggtga accctatcgc 480
ctacctaaa cagcaacaac ttctttcatt tagcccgctc gctatgggca atgcacctac 540
atacctgcaa caacagttgt tgcaacaaca gttgctgcaa caaattgtac cagctcttac 600
tca 603

<210> 10086

<211> 345

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-G9

<400> 10086

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ggtggtgccc tcttttagat ttcttatgag ttatagttca ataataaagt tttttgtctn 120
gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
gggggggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaggggg ggcccccttt aaaggaccaa attttacttc 300
ccgggggtttg caaggtaaaa tttttttttt gggggcccca aaata 345

<210> 10087

<211> 428

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-H2

<400> 10087

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gcgnggccgg ngccgctggc gcccgcgccc gcgtcgctcg agaaggcgct gctgcagttc 120

gaggacacgg ggcggctgtt cgcgggggag cgcacncccg cncnctnctn cagggggggg 180
 ggggcgggan cncntccct gggccccctg gtggacgagg cactgaggc gctgaggctg 240
 ccggcgggtg ccggcagcgc gctgggcccgg gccgccccca gggccaccgc gtaccgcac 300
 ttcttcggcg gcgagacccc cggcgaagcc ctgcgggcc ngcgcccgct gtggcgaggc 360
 ggcatgggag gggctctccc ctaccggatc ccagaccccc nngaccngg cgcgtgcgac 420
 cgtaaccc 428

<210> 10088

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-H3

<400> 10088

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 cctccttgcg cttcttgccc tttttgtgag cgcaacaaat gcgttcatta ttccacaatg 120
 ctcaattgct cctagtgcc ttataccaca gttcctccga ccagttactt caatgggggg 180
 ggaacaccta gctgtgcaag cctacaggct acaacaagcg cttgcggcga gcgtcttaca 240
 acaaccaatt aaccaattgc aacaacaatc cttggcacat ctaaccatac aaaccatcgc 300
 aacacaacag caacaacagt tctaccagc actgagccaa ctagatgtgg tgaacctgt 360
 cgctacttg caacagcagg tgcttgcatc caaccactt gctctggcaa acgtagctgc 420
 ataccaaaa caacaacaat tgcaacagtt tctgccaggc ctcaagtcaac tagccatgg 480
 gaacctgcc gctacctac aacagcaaca actgctttca tctagccctc tcgttgagg 540
 taatgcacct acatacctgc aacaacaatt gctgcaacag attgtaccag ctctgactca 600
 gctagctgtg gc 612

<210> 10089

<211> 617

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-H4

<400> 10089

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 cggcggcggc aactcaggtg gggacttact tcctgcggaa ctactacaac ctgctgcaac 120
 aaacccccga tgtcgtccac cagttctaca gcgaagccag caccatggtc cgcgtcgacg 180
 acctcaccgg ggcggggggg gctgccaaca acatgatgga catacactca ctcatcatgt 240
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 ggggtgctagt tatgggtctct ggtctagtgc agaccaagga gtacagccac caaaggaaat 360
 ttatccagat gttcttctt gccctcaag agaagggtta ctttgtctc aacgattact 420
 ttcacttcgt tgaccaagaa catgtgcagc ctgcgccagt gattgtcag gaagactacg 480
 agagcaattt ggcacccaac acagttgttg agaccgctcc tgagtacgtt cacgaggaag 540
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 cacaacagca agtagtg 617

<210> 10090

<211> 515

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-H5

<400> 10090

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 tccttttctt ccccaactac ctctcaccan cggggggggg gagtgggtgt gaaaacccaa 180
 ttcttcaacc ctacaggatc caacaggcaa tcgcagcagg catcttacct ttatcacct 240
 tgttctcca acaaccgtca gccctattac agcagttacc tttggtgcat ttgttggcac 300
 aaaacatcaa ggcacaacaa ctacaacaac ttgtgctagg aaaccttgc gcctactctc 360
 agcaacagca gtttcttcca ttcaaccaac tggctgcatt gaactctgct gcttatttgc 420
 aacaacaact accattcaat caactagctg ctgctaccc ccaccaattt cttccattca 480
 accaactggc aacattgaac tctgctgctt attta 515

<210> 10091

<211> 205
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-074-Q1-K6-H6
 <400> 10091

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 gtctgatggt tgtggcttcc cagaataaga aagtcatttc taaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 gggcgcgccc gttttgaggg ggggtg 205

<210> 10092
 <211> 606
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-074-Q1-K6-H7
 <400> 10092

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 acttgctcct agtgccatta ttccacagtt cctcccacca gttacttcaa tgggctgggg 180
 gcgcggagct gtgcaagcca acatgcaaca acaagcgctt gcggcgagcg tcttacaaca 240
 accaattgcc caattgcaac aacaatcctt gccacatcta acaatacaag ccatcacaac 300
 gcaacagcaa caacagttcc taccagcact gagccaccta gccatggtga accctgccgc 360
 ctacttgcaa gagcagctgc ttgcatccaa cccacttgct ctggcgaacg tagttgcaaa 420
 ccagcaacaa caacagctac aacagtttct gccaacgctc agtcaactag ccatggtgaa 480
 coctgccgcc tacgtacaac aacaacaact gctttcatct agcccgctcg ctgtgggcaa 540
 tgcacctaca tacctgcaac aacaattgtt gcaacagatt gtaccagctc tgactcaact 600
 agctgt 606

<210> 10093
 <211> 607
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-H9

<400> 10093

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ttatccctct ttgcgcttct tgcccttttt gtgagcgcaa caaatgcgtt cattattcca 120
caatgctcac ttgctcctag tgccattatt ccacagttcc tccctgcagg ggctgcatgg 180
gcttcgaaca cccagctgtg caagcctaca ggctacaaca agcgcttgcg gcgagcgctc 240
tacaacaacc aattgcccac ttacaacaac aatccttggc acatctaacc atacaaacca 300
tcgcaacgca acagcaacaa caattttctac cagcactgag ccaactagct gtggtgaacc 360
ctgtcgcta cttgcaacag cagttgcttg catccaaccc acttgctctg gcaaacaatg 420
ttgcatacca acaacaacaa caattgcaac agttttctacc agcgctcagt caactagcca 480
tgggtgaacc tgccgcctac ctacaacagc aacaactgat ttcattctagc cctctcgctg 540
tggttaatgc acctacatac ctgcaacaac agttgctgca acanattgta ccagctctga 600
ctcagct 607

<210> 10094

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-A1

<400> 10094

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cggctgccag cgccagcgcc gggacctcct gcgtgccggg gtggggccatc ccgcacaacc 180
ggctgccgag ctgccgctgg tacgtgacca gccggacctg cggcatcggg ccgcgcctcc 240
cgtggccgga gctgaagagg agatgctgcc gggagctggc ggacatcccc gcgtactgcc 300
ggtgcacggc gctgagcatc ctcatggacg gcgcgatccc gccgggcccc gacgcgcagc 360
tggagggccg cctagaggac ctgccgggct gcccgcgga ggtgcagagg ggattcgccg 420
ccacctcgt cagggaggcc gagtgcaacc tggccaccat cagcggcgct gccgaatgcc 480
cctggattct cggcgggcga acgatgccct ccaagtaact gcgaagagca tagtgcatga 540

ggaatgagct tgtagctagc tcatatgtct gaat

574

<210> 10095

<211> 579

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A10

<400> 10095

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tgcgctgtat gattttgatt ttgttactgg ggagaatgtg cangaaaagc aagatttggg 180
gggtgggctg gtcccatcg acatcccgca tacgtgctaa gatgctgtac tccacgtcga 240
aggaccgcat caagtacgag cttgacgggt tccactacga aatccaggcg accgacccat 300
cggaggtgga catcgagggt ctccgggagc gggctcactg aagctgggtc tccttttgaa 360
gggacctgtg gagggccgtg aaccttcagc cagatgcaaa ttcaattgtc aacgatgaag 420
ctcccgccgt ggtgtttgtt aataagttcc tgtaagcgta tcatttagtc gctatgcatg 480
atactagctg gtgaagcgct atctaagctg taaacgaagc aagatttgca aacttgttat 540
attgtggnat tgatgatact ggattactgg ctggggggtt 579

<210> 10096

<211> 565

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A11

<400> 10096

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cccgttcctg ggccagtgcg tcgagttcct tgagcaccag tgcagcccgg cggcgacgcc 120
ctacggctcg ccacagtgcc acgcgcttca gcagcagtgc tgccaccaga tcaagcaggg 180
gggggggggtg caccntacc aagcgacata cgggtgtggc ctgcagtcct tcctgcagca 240
gcagccgcag ggcgagctcc cggcgctgat ggcggcccaa gtagcgcagc agctgacggc 300

gatgtgcggt ctgcagctgc agcagccagg tccttgcctt tgcaacgcag ctgccggcgg 360
 tgtctactac tgaggaaact atgtactgta gtaataatgt aatggagccg ctgactagct 420
 acctataggg ctatagctag ttactctgtt tagcggcgat gagtaacgga gtgtcaccca 480
 tcaccatggg tggcagtgtg agcaatgacc tgaatgaacc attgaaatgg aaaggaataa 540
 tatataggga aaaaagatgt tttgg 565

<210> 10097
 <211> 584
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-A2

<400> 10097

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 acaatgacct tgaagagctc caagagcttg gttctggaac ttttggaact gtctatcatg 120
 cggatatgact tctggaatga agcatctaaa cttgctgac tgcaccaccc aaatgttggc 180
 gcgttttatg gtgttgttct tgatggacct gggggatcca ttgccacagt tacagaatat 240
 atggtcaatg gttcacttag gacagctttg ctaaagaatg ccaaaacct cgatcgacgc 300
 aagagattaa ttattgccat ggatacagcc tttggaatgg aataacttgca tagcaaaaac 360
 attgtgcact ttgacttgaa aagtgacaat ttgcttgta atttaaggga ccctcagcgt 420
 ccaatatgca aggttgggtga tcttgggctt tcaaaagtga aatgtcagac cctcatctct 480
 ggaggtgtcc gaggaacact tccatggatg gcccagaac ttctgaatgg tagcagcagc 540
 ttggtctcag aaaagttgat gtattctctt ttgggattgt tctc 584

<210> 10098
 <211> 611
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-A3

<400> 10098

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atgctccttg gtctttctgc aagtgtctgt acggcgacca ttttcccgca atgctcgcaa 120
 gtcctatag ctcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aacccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240
 tcacccttgt tcctccaaca atcatcagcc ctattacatc agttaccttt ggtgcattta 300
 ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
 tactctcagc aacagcagtt tcttcattc aaccaactag ctgcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ctgcctacc ccagcaattt 480
 cttccattca accaactggc agcattgaac tctctgctt atttacagca gcaacaacta 540
 ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgataca accacagttg 600
 ttgccgttct a 611

<210> 10099

<211> 517

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A4

<400> 10099

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 ccccccccc ccccccccc ccccnncnc cncncncnc nnncccccc ccccccccc 180
 ncccnncnc ccccccccc ccccnncnc cccccccnc ccccccccc ccccccnnc 240
 ccccccccc ccccccccc ccccncccc ccccccccc ccccccccc ccccccccc 300
 ccccccccc ccccccccc ccccncccc ccccccccc nnccccccc ccccccccc 360
 cccncccccc ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc 420
 ccccccggc ccccgnncc ccccccggc cccccgncc ccccccccc ccccccccc 480
 ccccccccc ccccccccc ccccccgcc ccccccg 517

<210> 10100

<211> 586

<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-A5

<400> 10100

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cttgggtcttt ctgcaagtgc tgctacggcg accattttcc cgcaatgctc gcaagctcct 120
atagcttccc ttcttcccc gtacctctca accagcgggtg tcttcngtat gtggagagaa 180
cgccagattc ttcaaccctt acacgggatcc aacaggcaat cacagctggc atcttacctt 240
tataccctt gttcttcaa caatcatcag ccttattaca tcagttacct ttgggtgcatt 300
tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 360
cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg aactctgctt 420
cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac cccagcaat 480
ttcttccatt caaccaactg gcagcattga agtctcctgc ttatttacag cagcaacaac 540
tactaccatt cagccagcta gctggtgtga gccctgctac cttctt 586

<210> 10101

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A6

<400> 10101

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acctgtctgg atccattaga cggcagatga gtatgactct tgctgtagct gatggacacc 120
ttgttaatat ggggaaaatg atagaagaaa tggaggggaa gctgagaaat tcaactggagg 180
gggggtatct tgggaagacc agagaaatgg tttgactct tcggccacca ccagaagttc 240
ttaatatgag actacctgac agctgagcca gtgcatagaa gtgtcaactt aacaagaaa 300
aacgtattct tctccactct aggcgtgggtc tgttcttgct tcgtagttaa tagtctgtgc 360
atctgtatcg acatctgttg aggtatctat gataggagct tattatcttc tgatcttttg 420
tgattagctg taatccgcga agtggttgac aggagccagt gtttgcagtg gaactcagtt 480

accaacagat gaatctccac aaaacgttgt gttggcggtc tgtatcttct gaagaatctg 540
 atgggtgttg ggctggactt gctatctgtc aaagtactaa tgcggtgttt gtttt 595

<210> 10102
 <211> 233
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-A8

<400> 10102

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 atgctccttg gtctttctgc aagtgtgct acggcgacca ttttcccgca atgctcgcaa 120
 gctcctatag ctcccttct tccccgtac ctctcaccan ncgtgtcttc ggggtggggg 180,
 aagcccaatt ctcaaccct acaagatcca acaagcaatc acaggctggc atc 233

<210> 10103
 <211> 558
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-B1

<400> 10103

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 cttcccccg acctctcacc agcgggtgtct tcgggtatgtg aaaaccaat tcttcagccc 180
 tacaggatcc aacaggcaat cacagctggc atcttacctt tatcaccctt gttcctccaa 240
 caatcatcag ccctattaca tcagttacct ttggtgcatt tattggcaca aaacatcagg 300
 gcacaacaac tacaacaact tgtgctagca aaccttgctg cctactctca gcaacagcag 360
 tttcttccat tcaaccaact agctgcattg aactctgctt cttatttgca acaacaacaa 420
 ctaccattca gccagctacc tgctgcctac cccagcaat ttcttccatt caaccaactg 480
 gcagcattga actctctgc ttatttacag cagcaacaac tactaccatt cagccagcta 540
 gctgggtgtg gcctgtgt 558

<210> 10104
 <211> 258
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-B12

<400> 10104

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 tacggttgag ttatatcccg tgtatgccat aacaaagcag tcgccgctct gtgggggggg 180
 gggagcgcgtg cctgtcctgt gtctgtttgt acgttgacaa tttgattccg ttgctcaagg 240
 atagaagaat attgatac 258

<210> 10105
 <211> 596
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-B2

<400> 10105

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 tctttggtgc agtcattggt acaaaccatc agggcacaac agctgcagca actcgtgcta 180
 cctctgatca accaagtagc tctggcaaac ctttctccct actctcagca acaacaattt 240
 cttccattca accaactgtc tacactgaac cctgctgctt atttgcagca acaactatta 300
 ccatttagcc agctagctac tgctactct cagcaacaac aacttcttcc atttaaccaa 360
 ttggcgcgac tgaacccgc tgcttatttg cagcagcaaa tactactacc atttagccag 420
 ctagctgcag caaacctgtc ttccttcttg acacagcaac agttgctgcc tttctaccag 480
 cagtttgagg ctaacccgc aaccctctta caactacaac aattggtgcc ctttgtccaa 540
 cttgctttga cagaccagc ggctctctac caacaacaca tcattnggtg gtgcc 596

<210> 10106
 <211> 548

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-B3
 <400> 10106

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tcagcaacaa caatttcttc cattcaacca actgtctaca ctgaaccctg ctgcttattt  180
gcagcaacaa ctattaccat ttagccagct agctactgcc tactctcagc aacaacaact  240
tcttccattt aaccaattgg ccgcactgaa ccccgctgct tatttgcagc agcaaatact  300
actgccattt agcgagctag ctgcagcaag tegtgtctcc ttcttgacac agcaacagtt  360
gctgcctttc tacaagcagt ttgcggctaa ccccgcaacc ctcttacaac tacaacaatt  420
gttgcccttt gtccaacttg ctttgacaaa ccagcagcc tcctaccaac aacacatcat  480
tgggtggtgcc ctcttttaga ttgattatta gttgtaattc aataataaag ttttttggat  540
gatgtatg                                     548
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<210> 10107
 <211> 563
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-075-Q1-K6-B4
 <400> 10107

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acaacaactt gtgctagcaa accttgctgc ctactctcag caacagcagt ttcttccatt  180
caaccaacta ggttcattga actctgcttc ttatttgcaa caacaacaac taccattcag  240
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cccagcagtg ttctaccaac aacccatcat tgggtggcgcc ctcttttaga tttcttatga 540
gttatagttc aataataaag ttt 563

<210> 10108
<211> 584
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-B5

<400> 10108

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ggaccactgc cgccgctcaa cgccaggtag tcccttcgcc ggcgacgagc acccactagt 180
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gtggggttcag tcacagccaa attttgggat ccagaaggat attgtttagca agcgggttatg 480
ttcgttgggc agggacattc atgagaagca agtggaagat tcagtgccac aacctaataa 540
tgaggaaaca ttactctgtc aagcagttga caccagcact gaaa 584

<210> 10109
<211> 553
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-B9

<400> 10109

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aacaactcgt gctagcaaac cttgctgcct actctcagca acagcagtta cctttggggc 180
attgggtggc acaaaacatc agggcacaac aactacaaca actcgtgcta gcaaacttg 240
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ctgcttattt gcagcaacaa caactactac cattcagcca gctagctgct gcctaccccc 360
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aacaactact accattcagc cagctagctg ctgtgagccc tgctgccttc ttgacacagc 480
aacatttggt gccgttctac ctgcacactg cgcctaacgt tggcaccctc ttacaactgc 540
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<210> 10110

<211> 599

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-C1

<400> 10110

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ctttctggct ttcttgccag aggtgcagag cgcggatagg aagatacccc attcagagaa 180
aaagttatct acactgttat ttctctcttc atttttctgg tgtgcagcca gctcccactc 240
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gctctgctga atgggtgcaca aaagttgctt ggtatcttga tcgctattgg ggaagctgtg 480
gcatatgtcc tgtctggaat gtatggcagt gtaagccaac ttggaacagg gaatgctatt 540
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<210> 10111

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-C10

<400> 10111

caactagcaa catagnaaag cacaatgagt ggaccaacaa tggcagccaa aaattttgcc 60
tccttatgct ccttgggtctt tctgcaagtg ctgctacggc gaccattttc ccgcaatgct 120

cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcgggat 180
 gggaaaaccc aattcttcaa ccctacagga tccaacaggc aatcacagct ggcatcttac 240
 ctttatcacc cttgttcctc caacaatcat cagccctatt acatcagtta cctttggtgc 300
 atttattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
 ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca ttgaactctg 420
 cttcttattt gcaacaacaa caactaccat tcagccagct acctgctgcc tacccccagc 480
 aatttcttcc attcaaccaa ctggcagcat tgaactctcc tgcttattta cagcagcaac 540
 aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg atacaaccag 600
 agtt 604

<210> 10112
 <211> 586
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-075-Q1-K6-C11
 <400> 10112

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 attgtgcctc ctttactgcc acctgctgga ctggatttgg ctcttcaaaa catgttaacg 120
 tttgcgaaca aagcaatgag accaaacaca gtgaaattct tccgactca atctgctaga 180
 catttcgaag gtggtgactg gaatgaaggt ggatcttgcc aacgtaacca gcccttgctg 240
 tcagaagagg tgggagaatt tttctctttg gacaataaca gcaccaacgt agaggcacgc 300
 ttggtaaacc aacacctggt gaaggctctt gaacagcagt ctagtttttag agttctggac 360
 atcactcgca tgagtgaatt cagagcggat gctcaccctt caacaactgg cggcaaaaag 420
 cacgatgatt gcatgcattg gtgtttgcca ggaccaactg acacatggaa cgatttgcta 480
 gcgtccagtc ttgaagtagt tgagcgctag tctgagaata aaactcaagg gctcacctga 540
 ggaagttacc cctagcttca ctttttcccc catgaatcca cttgta 586

<210> 10113
 <211> 576
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-C2

<400> 10113

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cttgcgcttc ttgccctttt tgtgagcgca acaaatgcgt tcattattcc acaatgctca 120
cttgctccta gtgccattat tccacagttc ctcccaccag ttacttcaat gggcttcgaa 180
cacctagctg tgcaagccaa catgcaacaa caagcgcttg cggcgagcgt cttacaacaa 240
ccaattgccc aattgcaaca acaatccttg ccacatctaa caatacaagc catcacaacg 300
caacagcaac aacagttcct accagcactg agccacctag ccatggtgaa ccctgccgcc 360
tacttgcaag agcagctgct tgcattcaac ccacttgctc tggcgaacgt agttgcaaac 420
cagcaacaac aacagctaca acagtttctg ccaacgctca gtcaactagc catggtgaac 480
cctgccgcct acgtacaaca acaacaactg ctttcatcta gcccgctcgc tgtgggcaat 540
gcacctacat acctgcaaca acaattgttg caacag 576

<210> 10114

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-C3

<400> 10114

ctcaccacac agccggccgc cacagcaccg cggttagcag agcagagcgg tgagctgcag 60
agcagggcag ccgaggtcgg tcgtcgtcgt cgtcgtcagc catgagcaag gacaagcacc 120
acaagcacga gcaccacctg cggcggttgc gcggggtgcat ggcgctcgtc ctctggcgcc 180
tggtctcat cgtggccttc gtctcgtcgtg tgggtgtacct ggcgctcgtc ccctcgaagc 240
cgtccttcta cctgcaggac ctgcagctgc gcaggcccat ctgctggggc gaccgctcgc 300
tgacggcgtc ggcgcaggtg acgctggcct cccgcaaccc caacgaccgc gtgggcatct 360
tctacaagcg cctggacgtg ttcgtcacct accgcgacga ggccgtgacg gtgcccgtgt 420
ctctgccgcc gcagtaccag ggccaccgcg acttcaccgt ctgggtcccc gtgctgtcgg 480
ccgagtcggt gccggttgcc gcctacgtcg ccgacgccat gaagcaggac gtcgccgcgg 540

gcttcgtcgc gctgcaggtc aaggtggacg gccgcgtcaa gtggaaggtc ggcagctggg 600
tctccggc 608

<210> 10115
<211> 605
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-C6

<400> 10115

cagcctagca attagctcat cgactccaga ttgggagaac tcgacaccat gaagggtgctg 60
atcgttgccc ttgctctcct ggcgctcgct ggcgagcgccg cctccagtac aagcggcggc 120
tgtggctgcc agacaccacc gtttcatcta ccgcctccgt tctatatgcc gcctccgttc 180
tatctgccgc cgcagcagca gccgcagcca tggcaatacc ccaactcaacc accgcagcta 240
agcccgtgcc agcagttcgg atcctgcggc gtcggcagcg tcggcagccc gttcctgggc 300
cagtgcgtcg agttcctgag gcaccagtgc agcccggcgg cgacgcccta cggctcgcca 360
cagtgccagg cgctgcagca gcagtgtgc caccagatca ggcagggtgga gccgctgcac 420
cgggtaccagg cgacatacgg tgtggtcctg cagtccctcc tgcagcagca gccgcagggc 480
gagctcgcgg cgctgatggc ggcccaggta ggcgagcagc tgacggcgat gtgcggtctg 540
cagctgcagc agccaggctc ctgcccttgc aacgcagctg ccggcggtgt ctactactga 600
ggaaa 605

<210> 10116
<211> 584
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-C7

<400> 10116

anaaaganag ggngagagga tgatggggcg gacgagcgtg gcggcgggcg cggccctgct 60
ggtgctggcg gcgtgcgcgg ctctgccggc gaggacggcg gcgaacaaga tcagcatcaa 120
ctggaagccc aacgtgaact acaccgactg gctgaagcag cacagccctt tctacagggg 180
ggactggctg gtgttctact acacggcggg gcaggcggac gtggtgcagg tggacgaggt 240

gggctacaac aagtgcgact ccaccaacgc catctacaac tacagcaagg ggcgcagctt 300
 cgccttccag ctcaacgaga ccaagaccta ctacttcata tgcagctacg gctactgctt 360
 cggcgggatg cgcctcgcca tcaaggccga gaagctgccg ccgccgtcgc cgccgcgctc 420
 cgccagcgac cgctccgccg ccgccatcgc cgccttcgcc aggtcccacg cgcccgtcat 480
 ctacgccgcc atcgccgtgc tcgccgcgct cctcaggatg gtctagctgg gaagaatcta 540
 cccgcgggcc ccttcgttgg ttogaattgg gactcctttt tttt 584

<210> 10117

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-C8

<400> 10117

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 caccaaaaca tcaggggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 120
 ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 180
 tttgcaacaa caacaactac cattcagcca gctacctgct gctaccccc agcaatttct 240
 tccattcaac caactggcag cattgaactc tcctgcttat ttacagcagc aacaactact 300
 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac cacagttggt 360
 gccgttctac cagcacgctg cgcctaacgc tggcaccctc ttacaactgc aacaattgct 420
 gccattcaac caacttgctt tgacaaaccc agcagcgctt taccaacaac ccatcattgg 480
 tggtgccctc ttttagattt cttatgagtt atagttcaat aataaagttt tttgtctgaa 540
 aaanaaaaaa aaaaaanaaa aaaanaaaaa annaaaaa 578

<210> 10118

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-C9

<400> 10118

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 naagtgtgta tcgttgccct tgctctcctg gcgctcgctg cgagcgccgc ctccagtaca 120
 agcggcgggt gtggctgcca gacaccaccg tttcatctac cgctccgtt ctatatgccg 180
 cctccgttct atctgccgcc gcagcagcag ccgcagccat ggcaataccc cactcaacca 240
 ccgcagctaa gcccggtgcca gcagttcgga tcctgcgggc tcggcagcgt cggcagccccg 300
 ttcctggggc agtgcgtcga gttcctgagg caccagtgcg gcccgggcgc gacgccctac 360
 ggctcgccac agtgccaggc gctgcagcag cagtgcgtgc accagatcag gcaggtggag 420
 ccgctgcacc ggtaccaggc gacatacggg gtggtcctgc agtccttctc gcagcagcag 480
 ccgcagggcg agctcgcggc gctgatggcg gccaggttag cgcagcagct gacggcgatg 540
 tgcggtctgc agctgcagca gccaggtccc tgcccttgca acgcagctgc cggcggtgtc 600
 tactactgag gaaact 616

<210> 10119

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-D1

<400> 10119

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 tgccgccaag gacctcctct ccacccccga cggcgcccca accccttcca ccgacggaga 120
 acacaaaaat ggcaaccatg agatggcaga agagccagaa ttaccaggtc atcaggatgc 180
 acctggtgag gctgctaaag aggatggtag cccactgag gaggcgaag aggttgaaga 240
 tgatggtgag cttccagcca tgaagttcag aaactacctt ccccatgatg aacaacttcg 300
 aggaggcaag ctggctccag tgtctcttcc caagtttgaa gacccaatta gtgccgaaac 360
 tgcagagcca aaggaagtgg agaacctttt tggaaacata gcaccaaaga atccaaattg 420
 ggatctgaaa cgtgatgtgc agaagagaat tgataaactg gaaaggcgca cgcagaaagc 480
 gttggctgag attgcattgg aacagcagag ggagaaggaa gccttgaggg aatctcaaga 540
 ttgaccgacc tgtataagtg accagtgact catgctgggt ggtccctcga gcagacgtca 600

ttatctt

607

<210> 10120

<211> 615

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-D10

<400> 10120

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ggaagtttta agatttcttc tctccaatgc tagatgggtg ctcgaggaat ataagtttga 120
tggtttccgt tttgatgggtg tgacctccat gatgtacact catcacggat tacaagtaac 180
gttgacgggg aacttcaatg agtatttttg ctttgccacc gatgtagatg cagtggttta 240
cttgatgctg gtaaatgatc taattcatgg actttatcct gaggctgtaa ccattgggtga 300
agatgttagt ggaatgccta catttgccct tctgttcac gatgggtggg taggttttga 360
ctatcggatg catatggctg tggctgacaa atggattgac cttctcaagc aaagtgatga 420
aacttggaag atgggtgata ttgtgcacac actgacaaat aggaggtggg tagagaagtg 480
tgtaacttat gctgaaagtc atgatcaagc attagtcggc gacaagacta ttgctgtttg 540
gttgatggac aaggatatgt atgatttcat ggccctcgat agaccttcaa ctctaccat 600
tgatcgtggg atagc 615

<210> 10121

<211> 551

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-D11

<400> 10121

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gacggtgacg accaccgcgc gagegcgcgc gnaactcccta ctgcatcagg tgctcgggcc 120
ttcgtcgtgc tctcccccg ccaacgagtat agacagggcc ccatggggcg gggggggggc 180
tgnaccccg nnaaggtccc acccttcggg catgggtgcc tcacccgaaa cgctcgacga 240
gatgggtctc aacggcacc tcagcccgga gctcgtatc caggctctcg tccagttcga 300

caagtcctatg acggatgctc tggagaacca agtgaagagc aagggttactg tcaaggggtca 360
cctgcacacc tacaggttct gtgacaacgt gtggaccttc atcttgacag acgcaagctt 420
caagaatgag gaggccacgg agcacgtggg caagggtgaag attgtggcat gtgattccaa 480
attgctcggg caataggcct gtgtaccctc naggtcaagg aaggaagctt ttaagtgcgg 540
cgaggcgggg t 551

<210> 10122

<211> 533

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-D2

<400> 10122

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ggaggtcagn ccgggagagc gccccgacgc cggcgccggg ggagatcggc gtcgatcctg 120
agctcgacga attcatggac gcttactgcc ggggtgctggg gcgctacaag ggaggagctg 180
acccggccgt tcgacgaggc cgcgtcgttc ctgagcagca ttcaggcgca gctcaacgac 240
ctctgcagcg gtggaagctc gccggcgggt accgccacgc actccgatga catgatgggc 300
tcctctgagg atgagcaatg ctcaggggac actgatgtgc cagacatggg gcaagaacat 360
agctctcact tatgtgacca cgagctcaag gagatgcttc ttaagaagta cagtggatgc 420
ctcagccgtc ttcgttcaga gttcctgaag aagcggaaga aagggaagct accgaaggat 480
gctcggacgg tggtactaga gtgggtggaac acgcactacc gctggcetta tcc 533

<210> 10123

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-D4

<400> 10123

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ttgcaagcat aggaacaggc ggtaccatta gtggcactgg gcgttacttt gaaaaggatg 120

aacaaagata ttaaggttat tggggtagaa cctgctgaaa ctagtgtgat ttctgggtgat 180
agccctgggt acattccaag tatattagat gtgcagttga ttgatgaggt tgtgaagggt 240
agcacagcag aagccgttga ttctgcaagg gaacttgctc taaaagaggg cctgctgggt 300
ggattttcct ctgggtgctgc agcgattgct gctatcaatg ttggcaaaaag acctgaaaat 360
gctggaaagt tgattgcggt cattttcccc agctttggag agagatacat ctccaccatt 420
ctgttccgtc cgatatatga ctctgttcga agaatgagga agagatagcg agccttgtag 480
tacttcaagc gcgttgccag tccccttctc tagacctgac aggcttccat gacatgattg 540
ataaacgtga agcagtgaag acdctgtttg attgcaactt caggggtccga agttttgaag 600
c 601

<210> 10124
<211> 533
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-D5

<400> 10124

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aagtgggtgga gttggtgcgg aagctgcagg agcgaggcat catcgatttc gagcgggtgc 180
acaccgtctc cggcaaggag tacatcacat ccgaccattt gaagcatgag attaagatgg 240
agatcaagaa gagaggccgg gcatctctag ttgacttata aaataccctg ggggtggacc 300
tttaccatgt tgagaggcag tcacagaagg gcgtctccga tgatcccact ctaatgctga 360
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agcttcagga gcgcagtcag attgccttgg cagagattgc tgcccagtta catattggat 480
ccgagcttgt catcagtatc ctcgagccgc ggcttggaac tattgtgaaa gga 533

<210> 10125
<211> 604
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-075-Q1-K6-D7

<400> 10125

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atattagccc tccttgcgct tcttgccctt tttgtgagcg caacaaatgc gttcattatt 120
ccacaatgct cacttgctcc tagtgccatt ataccacagt tcctccgacc agttacttca 180
atgggcttcg aacacctagc tgtgcaagcc tacaagctac aacaagcgct tgcggcgagc 240
gtcttacaac aaccaattaa ccaattgcaa caacaatcct tggcacatct aaccatacaa 300
accatcgcaa cacaacagca acaacagttc ctaccagcac tgagccaact agatgtgggtg 360
aaccctgtcg cctacttgca acagcagggtg cttgcatcca acccacttgc tctggcaaac 420
gtagctgcat accaacaaca acaacaattg caacagtttc tgccagcgct cagtcaacta 480
gccatgggtga accctgccgc ctacctacaa cagcaacaac tgctttcatc tagccctctc 540
gttgtgggta atgcacctac atacctgcaa caacaattgc tgcaacagat tgtaccagct 600
ctga 604

<210> 10126

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-D8

<400> 10126

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cagctttgct tcaactaaga gagttggcac atgctctgag gttcttggca tctgtgggtg 120
cacaaagctt catagcgttt ggtgatattc ttgagttcac aaggaagggg gtgaactctc 180
tggtgggtatt aacaggatat ttgagcttga ggagcttcta caggcatcac aaagcaatcc 240
tgtcatgect tctgatgcca caaatgccgg ttccgaagaa ataatttcct tccgtggcgt 300
gaacattgtg acaccatcgc aaaagctatt ggctagccaa ctgtcttgtg atgtatctca 360
agggaaaagc cttcttgtga ctgggtccaaa tggtagcgga aagagttcca tctttatggg 420
gcttcgaggc ttgtggccca ttgcttctgg tagtcttagc aagccatctg aaggaatttt 480
taatgttcct caacgtccat atacttgtct tggaaccttg agggga 525

<210> 10127
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-E1

<400> 10127

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caggcaggtg gagccgcagc accggtacca ggcgatcttc ggcttgggtcc tccagtccat 120
cctgcagcag cagccgcaaa gcggccaggt cgcggggctg ttggcgggcg agatagcgca 180
gcaactgacg gcgatgtgcg gcctgcagca gccgactcca tgcccctacg ctgctgccgg 240
cgggtgtcccc cactgaagaa actatgtgct gtagtatagc cgctggctag ctagctagtt 300
gagtcattta gcggcgatga ttgagtaata atgtgtcacg catcaccatg ggtggcagtg 360
tcagtgtgag caatgacctg aatgaacaat tgaaatgaaa agaaaaaaag tactccatct 420
gttcc 425

<210> 10128
<211> 589
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-E10

<400> 10128

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cgaccaagat actttccctc cttatgtctc ttgctctttc tgcagtgtgt gctaacgcga 120
caattttccc tcaatgtcga caagctccta tagcttccct tcttccccca taccttgcac 180
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tgcagtcatt ggtacaaaacc atcaaggcac agcagctgca gcaactcgtg ctacctgtga 360
tcaaccaagt agctctggca aacctttctc cctactatca gcaacaacaa tttcttccat 420
tcaaccaact atctacactg aaccctgctg cttatttgca gcaacaacta ttaccattca 480
gccagctagc tactgcctac tctcatcaac aacaacttct tccatttaac caattggccg 540

cactgaacct cgctgcttat ttgcagcagc aaatattact accatttac

589

<210> 10129

<211> 203

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-E11

<400> 10129

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aataatcaat atattgattg acatttactc tcgaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaatta aaaaaaaaaa 180

agggggggggg ggggtttaaag aac 203

<210> 10130

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-E12

<400> 10130

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ggttcacctg ccacctccgg tgcattctcc accgccggtc cacctgccgc cggcgtgcgg 180

gggccaccgc cggtcctatg gccgccgcgc gttcatctgc cgccgccacc atgccactac 240

cctactcaac cgccccggcc tcagcctcat cccagccac acccatgccc gtgccaacag 300

ccgcatccaa gcccgtgcca gctgcaggga acctgcggcg ttggcagcac cccgatcctg 360

ggccagtgcg tcgagttcct gaggcatacag tgcagcccga cggcgacgcc ctactgctcg 420

cctcagtgcc agtcgttgcg gcagcagtgt tgccagcagc tcaggcaggt ggagccgcag 480

caccggtacc aggcatctt cggcttggtc ctccagtcca tcttgagca gcagccgcaa 540

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<210> 10131

<211> 589

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-E3

<400> 10131

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 ctcacaagct cctatagctt cccttcttcc ccatacctc tcaccagcgg tgtcttcaat 180
 gtgtgaaaac ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240
 accattatca cccttgttcc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
 ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttggtg tagcaaacct 360
 tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
 tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgctt acccccagca 480
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<210> 10132
 <211> 600
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-E6

<400> 10132

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 gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
 tgaaaaccca attcttcaac cctacaggat ccaacaggca atcacagctg gcactttact 240
 tttatcacc' ttgttctctc aacaatcatc agccctatta catcagttac ctttggtgca 300
 tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgctactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
 ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca 480

atttcttcca ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca 540

actactacca ttcagccagc tagctggtgt gagccctgct accttcttga tacaaccaca 600

<210> 10133

<211> 579

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-E7

<400> 10133

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gtcagctgcc agcgctctg caatgcagat gccctgcccc tgcgcggggc tgcagggctt 120

gtacggcgct ggcgccggcc tgacgacgat gatgggcgcc ggcgggctgt acccctacgc 180

ggagtacctg aggcagccgc agtgcagccc gctggcggcg gcgccctact acgccgggtg 240

tgggcagccg agcgccatgt tccagccgct cccgcaacag tgctgccagc agcagatgag 300

gatgatggac gtgcagtccg tcgcgcagca gctgcagatg atgatgcagc ttgagcgtgc 360

cgctgccgcc agcagcagcc tgtacgagcc agctctgatg cagcagcagc agcagctgct 420

ggcagcccag ggtctcaacc ccatggccat gatgatggcg cagaacatgc cggccatggg 480

tggactctac cagtaccagc tgcccagcta ccgcaccaac ccctgtggcg tctccgctgc 540

cattccgccc tactactgat tcatgatatt tgggaaata 579

<210> 10134

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-E9

<400> 10134

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aggcaaggat cggagttgct ctgaattgac tgaaccatgg cggcgacaat ggagtgacg 120

acgatggtga ccaggagcaa ggagagctgg tcgtcattgc aggtcccggc ggtggcattc 180

ccttgaagc cagcagggcg tggcaagacc ggcggcctcg agttccctcg ccgggcgatg 240

ttcgccagcg tcggcctcaa cgtgtgcccc ggcggtccccg cggggcgcgga cccgcgggag 300
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 gccgttcccc ggcagcaggc cgcttgggag gcggaggaag aggcagcgaa gaggaggaag 420
 cagaagggcg gcggcagcaa gaagcagcag cagctgggag atctgagcct.gaggaaggctc 480
 aggggtcaaga tcgccaaccc gcacctgcgg cgcttgggta gcggcgccat cgccggcgcc 540
 gtgtccagga cgttcgtggc gccgctggag acgatccgga cgcacttgat ggtcggca 598

<210> 10135

<211> 581

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-F1

<400> 10135

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 cctctcttgc gcttcttgcg ctttttgca gcgcaacaaa tgcgtccatt attccacaat 120
 gctcacttgc tcttagttcc attattccac agttcctccc accagttact tcaatggcct 180
 tcgaacaccc agctgtgcaa gcctataggc tacaacaagc gattgcggcg agcgtcttac 240
 aacaaccaat tgcccaattg caacaacaat ccttggcaca tctaacaata caaaccatcg 300
 caacgcaaca gcaacaacag ttcctaccag cactgagcca cctagccatg gtgaaccctg 360
 tcgctactt gcaacagcag ctgcttgcac ccaaccact tgctctagca aacgtagtgtg 420
 caaacagca acaacaacaa ctgcaacagt ttctgccagc gcttagtcaa ctagccatgg 480
 tgaaccctgc cgcctaccta caacagcaac aactgctttc atctagcccc ctcgctgtgg 540
 ccaatgcacc tacatactg caacaagaat tgttgcaaca a 581

<210> 10136

<211> 580

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-F11

<400> 10136

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 ccttatgctc cttgggtcttt ctgcaagtgc tgctacggcg accattttcc cacaatgctc 120
 acaactccta agcttccctt cttccccctc ctctcaccaa ggtgtcttcg gtaggggagg 180
 gcccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc ttacctttat 240
 cacccttgtt cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat 300
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
 actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
 atttgaaca acaacaacta ccattcagcc agctatctgc tgcctacccc cagcaatttc 480
 ttccattcaa ccaactgaca gcattgaact ctctgctta ttacagcag caacaactac 540
 taccattcag ccagctagct ggtgtgagcc ctgctacctt 580

<210> 10137

<211> 474

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-F12

<400> 10137

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 ttctgcggaa ggcgttttgg ctgttcgggt cccttttcct agggagggtct ccgacgagaa 120
 gggggtgaaa tcgtcgttca acatgatgtc tcatcatgcg tgggagggtgg agaagagggc 180
 ggtgggccag antttgagaa ggtgcatttc ttgaagaagg tcagatagca ttgcgaattc 240
 tgtttccgtg gtggaacgac tttcgttatt gagaggagtg atagtttgaa gttttgtttc 300
 ctttatcatg aactgtttgt cttgtatatt ggtcatatth ttttgtgcct aatacattgg 360
 atgcaattgg catcttgaat ttcaaaaaaa aaaaaaaaaa aaaaaaaaaa caactaaaaa 420
 aaaaaaaacc ctctaaaaat actaaaaaaa aaaaacaaca aaaaaaata aaaa 474

<210> 10138

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-F2

<400> 10138

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gattccggag cgtgccaaat tctgtacatc acaacaatga gatagagtct gattctccac 120
ctcacgtctg tgagatagaa agtgtgaaaa gcaaccaaga agggtagcaa tcttcggatg 180
gtcgtgcttt cccaagaca agatctgagc gaagcattga ccaatgggta ttgcaaagt 240
caaaatctga agaaagcatg gatcagtggg ctgaaatacc ttcagatgtg gaatccttca 300
gagaaggtaa aaggtacctc agtagcgagg agctgagtga cgttgatagt gccaacgttg 360
ttgtcatgga caaatacatg gattcactcc tctctgaccg gaggaacctt ccctacgcta 420
gtcctcggg ggcgggggat tcagtcagac gaaaacctgc ttcgtccgcc gattacagcc 480
gcccacctcc gcagccaact ccacctgcat cgctgtcaaa gaaggaatcg tgggatgtca 540
ttgaagattc ggagttcgat atacttgaca gttagtaa 578

<210> 10139

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-F4

<400> 10139

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gtgagatccg cgcgggccct cgctgcctc gtcaccgtcc cgcgacctcc gatctccaca 120
gggcgggcgg aggagtcgga cgggcagagg gagatggcgg cggaggaggg ggccatggcg 180
gcgacgagga tgcttgcgga ggggcacctg cgggtggcca ccggcggggg cgcgccggcg 240
gacggcggga tcgccgtcag acacctcccg caacctctt acaactacaa caattgttgc 300
cctttgtcca acttgctttg acaaaccag cagcctccta ccaacaacac atcattgggtg 360
gtgccctctt ttagattgct tattagttgt aattcaataa taaagttttt tggatgatgt 420
atgtggccaa ccagaaataa gaagttacat ttcc 454

<210> 10140

<211> 570
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-F5

<400> 10140

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gtgcagtgac acagtgagct cagtaagcca gccaaagttca gaattcanaa gnagcgagcg 60
agcaggagga ggacaggag tatggcgacac taccagcagg gaggcggcag caagtggacg 120
agtacggcaa cccgggtccct gggggccacg gtgtccaggg ccagcagctg ggtgaagccg 180
ccggcgggta cggcgctcgca ggcaccggca gctacggcgg ccagcagcag gccgggtatg 240
gccccacggg caccggcacg catgaagccg ggggctacga cggctcggac catccggggtt 300
acggggctac cggaacgggc gtcgacgacg ccgggtggccc aggtgcgtat ggagcagcca 360
cgggcacgag agccacgggc acgcacggcg gcgtgaccgg gatccaggac ggcgccgccg 420
gcctcaccgg tgggtggtctg catggcgcaa caggcatggg gacgactacc ggtactggcg 480
cgcacggtgc caccggaatg ctcgacacgg ggggtcttggg cggcggaggg cacgcggcca 540
ccggcatgcc cgccggccac ggcacgcgtc 570
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<210> 10141
 <211> 574
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-F8

<400> 10141

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aagctttgga catcattgag acagctgggg gttcatttca cttgggttaga tgtgaagttg 120
gacaaagcac ggatgatatg tcatactcag agcttgaagt aggagcagat gatactggca 180
cattggataa aattattgat tccttgactt ctttagctaa tgaacatggt ggagatcacg 240
atgccgggca agaaattgaa ttagctctga agataggaaa agtcaatgag tatgaaactg 300
acgtcacaat tgataaagga gggccaaaga ttttaattct tggagctgga agagtctgtc 360
ggccagctgc tgagtttctg gcatcttacc cagacatatg tacctatggt gttgatgacc 420
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atgatgcaga tcaaattcat gttatcgtgg catctttgta tcaaaaagat gcagaagaga 480
cagttgatgg tattgaaaat acaactgcta cccagcttga tgttgctgat attggaagcc 540
tttcagatct tgtttctcag gttgaggttg taat 574

<210> 10142

<211> 617

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-F9

<400> 10142

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tgcctaggag aatatgtaat gaaccttcta ccatttacca tgcttgtaat acttcattcg 120
cgcttttatg taagaatgca aaagtagtag ctaggaaatt gggatccaaa tgcaaggagg 180
acaagacctg catttgggtt ccaaagacta ttgtgactaa cttttagga cccaacaaga 240
gttgggtacc taaaacccaa gcctaatttg ccttgcaggt ttatgcatcc gggggctcaa 300
gctggattat cgacaacgga tgcacaaacc acatgacggg ggagaagaag attttcacct 360
cctacatcaa gaacaaggat tcctaggata caattatctt tggatatggg aaccaaggca 420
aggttaaagg cttgggcaag atagccatca acaacaagca ctccatttca aacgtgtttt 480
tagtagagtc aattggttac aacctcctgt ctgtaagtca attgtgccac atgggctaca 540
attgtttgtt taaaaatatt gatgtttatg tctttagaag gagtgacggt tcattagcat 600
ttaagggtgt attagat 617

<210> 10143

<211> 585

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-G1

<400> 10143

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gctgcgagcg ccacctccac gcatacaagc ggcggctgcy gctgccagcc accgccgccg 120
gttcatctac cgccgccggt gcatctgcca cctccggttc acctgccacc tccggtgcac 180

gtgccaccgc cgggtccacct gccgccgccg gtccacctgc caccgccggt ccatgtgccg 240
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 cctcatcccc agccacaccc atgcccgtgc caacagccgc atccaagccc gtgccagctg 360
 cagggaaacct gcggcggttg cagcaccgcc atcctggggc agtgcgtcga gtttctgagg 420
 catcagtga gcccgacggc gacgccttac tgctgcctc agtgccagtc gttgcggcag 480
 cagtgttgcc agcagctcag gcagggtggag ccgcagcacc ggtaccaggc gatcttcggc 540
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<210> 10144

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-G10

<400> 10144

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 cggttctgtt ccgtgccgct gtcgttaagg gacgcaccga ggaggggagc ttcggcctgg 120
 ccttgccctg ccggctgctt gtcggcgccg tgctggtgtg cgttcttgtc tgtggcagtg 180
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 tcaagagcaa tatccagatg gagaaccttt gagagttgga gcataggaca agggtaatct 360
 tctcacctct cgttgctaca tactagcagt tttctatgga tctttctcga aagatgacta 420
 tggtttactt ggagctatat atctggtctt gttgattcta atatcctgta gtagtttagt 480
 ttagaatctg tacaagtga aatgcgcagt atggaaccaa tctacgaaat ggaacgtaga 540
 tgcataaaca aggttgtctt tcgtctc 567

<210> 10145

<211> 554

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-G12

<400> 10145

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gCGTgcgtgg gcggcaagag ggtgctggag atcaaccca ggaccccat catcaaggag 180
ctccgcgaca aggtcgccca ggacaacgag agcgaggagc tgaagcagac ggcgaggctg 240
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tccagcatct acaagtcggt gcacaagagc ctggacctga gcccncacgc ggccgtggag 360
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gggtcggagc cgtccttcna caaggacgag ctgtagtcgg cgtgcgttgg tctcgtcttc 480
gggatctgtt ttgaagtcta gctgtagctc ccgtttagtt gagatatcgg ggagctccac 540
tcactgccag gtgc 554

<210> 10146

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-G3

<400> 10146

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aggcatctta ccattatcac ccttgttcct ccaacaaccg tcagccctat tacagcagtt 180
acctttggtc catttggtgg cacaaaacat cagggcacaa caactacaac aacttggtgt 240
agcaaaccctt gctgcatact ctgagcaaca tcagtttctt ccattcaacc aactggctgc 300
attgaactct gctgcttatt tgcaacaaca attaccattc agccagctag ttgctgccta 360
ccccagcaa tttcttccat tcaaccaact agcagcattg aactctgctg cttatttaca 420
gcagcaacaa ctactaccat tcagccagct agctgatgtg agccctgctg ccttcttgac 480
acaacaacag ttgttgccgt tctacctgca cgctatgcct aacgctggca cctctttaca 540
actgcaacaa ttgctgccat tcaaccaact tgctttgaca aactcaacag tgttctacca 600
acaacccatc attg 614

<210> 10147
<211> 586
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-G4

<400> 10147

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aattatccct ccttgcgctt cttgcgcttt ttgcgagcgc aacaaatgcg ttcattattc 120
cacaatgctc acttgctcca agttccattt ttacacagtt cctcccacca gttacttggg 180
ggggcttcga acaccagct gtgcaagcct atagggtaca acaagcaatt gcggcgagcg 240
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accctgccgc ctacttgcaa cagcagttgc ttgcatcaaa cccacttgct ctggcaaacg 420
tagttgcaaa ccagccacaa caacagctgc aacagtttct gccagcgctc agtcaactag 480
ccatggtgaa ccctgccgcc tacctacaac agcaacaact gctttcatct agcccgctcg 540
ctgtggccaa tgcacctaca tacctgcaac aacaattggt gcaaca 586

<210> 10148
<211> 587
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-G7

<400> 10148

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gtcacttgc tcctagtgcc attattccac agttcctccc accagttact tcaatgggcy 180
tggaacatc cagccgtgca agcctacagg ctacaactag cgcttgcggc gagcgctta 240
caacaaccaa ttgcccaatt gcaacaacaa tccttggcac atctaaccct acaaaccatt 300
gcaacgcaac aacaacaaca acaacagttt ctgccatcac tgagccacct agccgtgggtg 360

aaccctgtca cctacttgca acagcagctg cttgcatcca acccacttgc tctggcgaac 420
 gtagctgcat accagcaaca acaacagctg caacagttaa tgccagtgtc cagtcaacta 480
 gccatggtga accctgccgt ctacctacaa ctactttcat ctagcccgct cgcggtgggc 540
 aatgcaccta cgtacctaca acaacagttg ctgcaacaaa ttgtacc 587

<210> 10149
 <211> 538
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-H2

<400> 10149

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 ttcagcaagc gttgctaccg cgactattat tccacaatgc tcacaacaat acctctctcc 120
 ggtgacagcc gcgagatttg aatacccaac tatacaatcc tacaggctac aagaggccat 180
 cgcagcaagc atcttacggt cgtttagcatt gaccgtccaa caaccatatg ccctattgca 240
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 gttgcttcca acaatcaatc aagtagttgc agcgaacctt gctgcttacc tccagcaaca 360
 acaatttctt ccattcaatc aactagctgg ggtgaacctt gctgcttact tgcaggcaca 420
 acagctacta ccattcaacc aacttgtcag gagccctgct gccttcttac tgcagcaaca 480
 gttgcttcca ttccatctac aagttgtggc aaacattgct gctttcttgc aacaacaa 538

<210> 10150
 <211> 619
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-H3

<400> 10150

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 tgcaccaac ccacttgctc tggcgaacgt agctgcatac cagcaacaac aacagctgct 180
 gcagtttatg ccagtgtcga gtcaactagc catggtgaac cctgccgtct acctacaact 240

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acaacagtta cttaatccat tggcagtggc taaccattg gtcgctacct tcctgcagca 480
gcaacaacaa ttgctgccat acaaccagtt ctctttgatg aaccctgcct tgcagcaacc 540
catcgttga ggtgccatct tttagattac atatgagatg tactcgacaa tggtgccctc 600
ataccgacat gtgtttcct 619

<210> 10151

<211> 572

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-H5

<400> 10151

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gcctccttat gctccttggt ctttctgcaa gtgctgctac ggcgaccatt ttcccacaat 120
gctcacaagc tcctatagct tcccttcttc ccccgtagct ctaccaacg gtgtgtgggg 180
ggtgtgaaaa cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct 240
tacctttatc acccttggtc ctccaacaat catcagccct attacagcag ttacctttgg 300
tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttgtg ctagcaaacc 360
ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact 420
ctgcttctta ttgcaacaa caacaactac cattcagcca gctatctgct gcctaccccc 480
agcaatttct tcattcaac caactgacag cattgaactc tcctgcttat ttacagcagc 540
aacaactact accattcagc cagctagctg gt 572

<210> 10152

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-H6

<400> 10152

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catcagggga caacagctgc agcaactcgt gctacctctg atcaaccaag tagctctggc 120
aaacctttct cctactctc agcaacaaca atttcttcca ttcaaccaac tgtctacact 180
gaaccttgct gcttatttgc agcaacaact attaccattt agccagctag ctactgccta 240
ctctcagcaa caacaacttc ttccatttaa ccaattggcc gcaactgaacc ccgctgctta 300
tttgcagcag caaatactac taccatttag ccagctagct gcagcaaacc gtgcttcctt 360
cttgacacag caacagttgc tgcctttcta ccagcagttt gcggctaacc ccgcaaccct 420
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ctaccaaaaa cacatcattg gtggtgccct ctttttagatt gcttattagt tgtaattcaa 540
taataaagtt ttttggatga tgtatgtggc caaccagaaa taagaagtta catttccaga 600
ttct 604

<210> 10153

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-H7

<400> 10153

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atattttccc tccttatgct ccttgctctt tctacatgtg ttgctaacgc gacaattttc 120
cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaattgtg 180
gggggggggtg tgaaaaccca gctcttcaac catataggct tcaacaagca atcgcagcaa 240
gcaacatacc tttatcgccc ttgttgtttc aacaatcacc agccctatct ttggtgcagt 300
cattggtaca aaccatcagg gcacaacagc tgcagcaact cgtgctacct gtgatcaacc 360
aagtagctct ggcaaaccct tctccctact ctacgcaaca acaatttctt ccattcaacc 420
aactgtctac actgaaccct gctgcttatt tgcagcaaca actattacca tttagccagc 480
tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg gccgcactga 540

accccgtgc ttatttgcag cagcaaatac tactgccatt tag

583

<210> 10154

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-H8

<400> 10154

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cagccaattc caaagcgtga caaagccgct gcaaatgatt caacatacct caatcctcaa 120
gtcatgata gtgttcttgg aatcattctg ggaggtgggt ctgggactag attgtgcggg 180
ggggggaaga agcgtgccaa gcctgcagtg ccattgggtg ccaactatag actgattgat 240
attcctgtca gcaattgtct caacagcaac atatccaaga tctatgtgct aacgcaattt 300
aactctgctt ccctcaaccg tcacctctca agagcctacg ggagcaacat tggagggtac 360
aagaatgaag ggtttgttga agtcttagct gcacagcaga gccagataa tccaaactgg 420
tttcagggtg ctgcagatgc tgtaaggcag tacttgtggt tgtttgagga gcataatgtg 480
atggaatttc taattcttgc tggcgatcac ctgtaccgga tggactatga aaagttcatt 540
caggcacaca gagaaacaaa tgctgatatt accggtt 576

<210> 10155

<211> 629

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-H9

<400> 10155

cttatctgaa atgatactgt tgtggtaaac tatggacagg ggggtgcagg gggaaggttc 60
ttgaactgaa gcctgcctca agtgtatctg tcctagagac agatgttgaa gttgacatcg 120
tgggatcaga ttcggttttg gacaacgaag atgaccaaca tgtgcttgtg cctcttgtaa 180
ttggaaatat aggggggggg ggggtagtac ctgaactttc agttgaagga aatgtgagtg 240
agaaagtagc ttctgggcat gcaaatatcg agattaaaat agatacggac gcgagcgggtg 300
gtgacactga tatctatgtt tcaagacatc ctttagtatt tccaactcag caccgacatg 360

agtgggtcttc tcatgaaatg ggatcgaagg ttcttatact caaaccacgg gatgctacat 420
 tggtcagtgg tgtttacagt attggagttt atggtttcaa agggacttct aagtaccagc 480
 tctctgtagc tatcaaggat gttagtggcc aaaggattgg tgaatatgct agtgccctcg 540
 gaagtgttga ttttgattct gtgctgtgta gaaactgtaa gcgccatata gccagccagt 600
 ctgctcatct tcatgaggca tactgcatg 629

<210> 10156
 <211> 598
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-A1

<400> 10156
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 caatcacaag gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc 120
 catgagcaac aacatcaaca acaattccag ggatcatgaca agcagcaaca accacaacag 180
 cctcagcaat atcagcaggg ccagnaaaa atcacaacag caacaatgtc attgccagga 240
 gcagcaacag actacaaggt gcagctataa ctactatagc agtagctcaa atctaaaaaa 300
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 tttgatacaa ccaagtagct gccaggattt gcagcaacaa tgttgtcatg atcttaggca 420
 gattgagcca caatacatc accaagcaat ctacaacatg gttcaatcca taatccagga 480
 ggagcaacaa caacaaccat gtgagttatg tggatctcaa caagctactc aaagtgcggt 540
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<210> 10157
 <211> 606
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-A10

<400> 10157
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 tagattgtac cccttgacaa agaagcgtgc caagcctgca gtgccattgg gtgccaaacta 120

tagactgatt gatattcctg tcagcaattg tctcaacagc aacatatcca aggggggtgg 180
 gctaacgcaa tttaactctg cttccctcaa ccgtcacctc tcaagagcct acgggagcaa 240
 cattggaggg tacaagaatg aagggtttgt tgaagtctta gctgcacagc agagcccaga 300
 taatccaaac tggtttcagg gtactgcaga tgctgtaagg cagtacttgt ggttgtttga 360
 ggagcataat gtgatggaat ttctaattct tgctggcgat cacctgtacc ggatggacta 420
 tgaaaagttc attcaggcac acagagaaac aaatgctgat attaccgttg ctgccctacc 480
 gatggatgag aaacgtgcaa ctgcatttgg cctcatgaaa attgatgaag aaggaggat 540
 cattgagttt gctgagaaac cgaaaggaga gcagttgaaa gcaatgatgg ttgacaccac 600
 catact 606

<210> 10158
 <211> 584
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-A11
 <400> 10158

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 agctggagag tgaattcgag gaacaatggg ccaatgaagg aatacttga tgggggaata 120
 aaggacaga aaagagtctg aaatagatct cgattactac agcacanttg aagaaggggg 180
 tgggggtggg cccanaaaaa ttaaaacagg ctttancctgc tcgaggtttg aagagtggcg 240
 gtactgttca acagcgtgca gatcgtcttt tcttgttgaa ggttacaccg ttggaacaac 300
 tagataggaa gcattttgcc aaagtccac atactaaaga tggctcaaac acagctccta 360
 atggtaaatgc tttcaaggag gatatgaaga aagaaattgc attgatggaa gtgaagatga 420
 aacgtctttg tgagctgcta gatgaggcct ttgtaaggac aaaggaaaat gcggagaaga 480
 agcttacttt gacatatgaa gagatggaag cagaacggga agaggaggag gtacaagttg 540
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<210> 10159
 <211> 625
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-A12

<400> 10159

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 ttttttcttc ggtatgttga aaaccaatc tcttcacacc ctacagggat ccaacagggc 120
 aatcacagtt tggcatgctt acactttatc atcccttggg tctcttcaac aatcatcacc 180
 toctattaca ttgggggggg gggggggcga catttatttt cacaaaaaca tctatttcac 240
 taacaactac agacaagctt gtggctagtc aaacctctgc tggcctatct ctcagtcata 300
 cagcatgttt ctttctcatt ctaaccaact aggctgcctg tgaactctgc gttcttattt 360
 gcaacaaaca acaactacgc attctagcca ggctaccgtg ctgtcctacc cctcagcaat 420
 tgtcttccat ttcaaccaac gtggctgcag ttgaacttct gctgcttatt tacagcatca 480
 acatctacta ccaaccagcc agctagctgg tgtgagccct gctaccttct tgatacaacc 540
 acagttgggtg tcgttctacc agcacgctgc gctaacgct ggcacccttt tacaactgca 600
 acatttgctg cctttcaacc aactt 625

<210> 10160
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-076-Q1-K6-A2

<400> 10160

tccgcactca tgcatacaca acatccttct gtcagtacca tcaatcatca ttcattcttag 60
 tagtataggc accaaatcaa atctgcaaca tcaattatct aactccaaaa accatgaagc 120
 tgggtgcttg ggttcttgct ttcatgtgct tagtatcaag tgtttcttgt acacagacag 180
 gcgggtgcag ctgtgggtcaa caacaaagcc atgagcagca acatcatcca caacaacatc 240
 atccacaaaa acaacaacat caaccaccac cacaacatca ccagcagcag caacaccaac 300
 aacaacaagt tcacatgcaa ccacaaaaac atcagcaaca acaagaagtt catgttcaac 360
 aacaacaaca acaaccgcag caccaacaac aacaacaaca acaacagcac caacaacaac 420
 atcaatgtga aggccaacaa caacatcacc aacaatcaca aggccatgtg caacaacagc 480

aacagagcca tgagcaacac caaggacaga gccatgagca acaacatcaa caacaattcc 540
 agggtcatga caagcagcaa caaccacaac agcctcagca atatcagca 589

<210> 10161

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-A3

<400> 10161

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 tgcagatcct cgtgaagacc ctgaccggca agactatcac cctcgaggta gagtcttcag 120
 acaccatcga caacgtcaag gccaagatcc aggacaagga gggcattccc ccagaccagc 180
 aggggggtcat ctttgctggg aagcagcttg aggacgggcg cacgcttgcc gactacaaca 240
 tccagaagga gagcaccctc cacttggtgc tgcgcctcag gggaggcatg cagatcttcg 300
 tgaagaccct gaccggcaag actatcacc ttgagggtgga gtcttcagac accatcgaca 360
 acgtcaaggc caagatccag gacaaggagg gcatcccacc ggaccagcag cgtttgatct 420
 tcgctggcaa gcagctggag gatggccgca cccttgcgga ttacaacatc cagaaggaga 480
 gcaccctcca cctggtgctc cgtctcaggg gtggcatgca gatctttgtg aagacactca 540
 ctggcaagac aatcaccctt gaggtggagt cttcggatac cattgacaat gtcaaggcca 600

<210> 10162

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-A4

<400> 10162

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 ccttatgctc cttgggtctt ctgcaagtgc tgctaccgca accattttcc cacaatgctc 120
 acaagctcct atagcttcct ttcttcccc atacctctca ccagcgggtg cttcagtatg 180
 tgaaaacca attcttcaac cctacaggat ccaacaggca atcgcagcag gcatcttacc 240

tttatcacc ttgttcctcc aacaaccgtc agccctatta cagcagttac ctttggtgca 300
 tttgttgga caaacatca aggcacaaca actacaaca cttgtgctag gaaaccttgc 360
 tgccactct cagcaacagc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
 tgcttatttg caacaacaac taccattcag tcagctagct gctgcctacc cccagcaatt 480
 tcttccattc aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct 540
 accaccattc agccagctag ctgatgtgag ccctgttgcc ttcttgacac aac 593

<210> 10163

<211> 534

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-A5

<400> 10163

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 ggtttcgtgg gtgagcggat cgagaggcgg cgtcggaagt tgagtaccgc tgcttcgtcg 120
 gcggcctcgc ctgggccacg gacgaccact ccctccacaa cgccttcagc acctacgggg 180
 aggggctcgn atccaagatc atcctcgatc gggagacgca gaggtcccgc ggcttcggct 240
 tcgtcacctt ctccacggag gaggcgatgc ggaacgccat cgagggcattg aacggcaagg 300
 agctggacgg ccgcaacatc accgtcaacg aggccagtc ccgcggcggc cgtggaggcg 360
 gcggcgggcg cgggtacggt ggtggccgtg gaggcggcgg ctacngcggg ggcgggcgcc 420
 gtgatggcgg cggcggttac cgcggtggcg gcggctaccg tgggtggcggc ggcggtacc 480
 gtggtggtgg cggcggttac cgcggtggca accgtggcgg nggctacggc aact 534

<210> 10164

<211> 612

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-A8

<400> 10164

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aagatatattt ccttccttat gctccttgct ctttctgcat gtgttgctaa cgcgacaatt 120
ttccctcaat gctcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg 180
atagcttcag tgtgggaggg ccagctctt cagccctata ggctccaaca agcaatcgca 240
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cagtcattgg taaaaacat cagggcacag cagctgcagc aactcgtgct acctgtgatc 360
aaccaagtag ctctggcaaa cctttctccc tactctcagc aacaacaatt tcttccattc 420
aaccaactgt ctacactgaa cctgctgct tatttgagc aacaactatt accattcagc 480
cagctagcta ctgcctactc tcagcaacaa caacttcttc catttaacca attggccgca 540
ctgaaccccg ctgcttattt gcagcagcaa atactactac catttagcca gctagctgca 600
gcaaaccgtg ct 612

<210> 10165
<211> 615
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-A9
<400> 10165

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ctatagcttc ccttcttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaacc 180
cagggggggg gccctacagg atccaacagg caatcgagc tggcatctta cctttatcac 240
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cacaaaacat cagggcacaa caactacaac aacttggtg agcaaaccct gctgcctact 360
ctcagcaaca gcagtttctt ccattcaacc aactagggtc attgaactct gcttcttatt 420
tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc 480
cattcaacca actagcagca ttgaactctc ctgcttattt acagcagcaa caactactac 540
cattcagcca gctagctggg gtgagccctg ctaccttctt gacacaacca cagttggtgc 600
cgttctacca gcacg 615

<210> 10166
 <211> 578
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-076-Q1-K6-B1

<400> 10166
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 cgggcggcga cgccctacgg ctgcgcacag tgccaggcgc tgcagcagca gtgctgccac 180
 cagatcaggc aggtggagcc gctgcaccgg taccaggcga catacgggtg ggtcctgcag 240
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 gccgctgact agctacctat agggctatag ctagtccact cgtttagcgg cgatgagtaa 480
 cggagtgtca cccatcacca tgggtggcag tgtgagcaat gacctgaatg aaccattgaa 540
 atggaaagga ataatatata gggaaaaagg atgttttg 578

<210> 10167
 <211> 612
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-B10

<400> 10167
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 accatcaggg cacaacagct gcagcaactc gtgctacctg tgatcaacca agtagctgtg 180
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cttcttgaca cagcaacagt tgctgccttt ctacaagcag tttgcggcta accccgcaac 480
cctcttacia ctacaacaat tgttgccctt tgtccaactt gctttgacaa acccagcagc 540
ctcctaccaa caacacantc attggtggtg cctctcttta gattgattat tagttgtaat 600
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<210> 10168

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-B11

<400> 10168

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tagcttcctt tcttccccca tacctctcac cagcgggtgc ttcaatgtgt gagagcgcg 180
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aacaacaatt accattcagc cagctagttg ctgcctaccc ccagcaattt cttccattca 480
accaactagc agcattgaac tctgctgctt atttacagca gcaacaacta ctaccatttc 540
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<210> 10169

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-B12

<400> 10169

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gcggttcgt cctccaccag cgccgggcca tctaccgttc aatcgctnaa gccggcgggg 180
gggcctactt ttaccagcct ggtgaaattg ccagtcgaag aagctcaact gaactggctc 240
atgtatggaa caaggcagtg gacgagaccc ttggggcgact tgttgtgtac cttagtctgc 300
gtgggtgggtg attcaagctc catgttgaac atggtaaccg aggaagactc tttttcaagc 360
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agataacttc 430

<210> 10170

<211> 590

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-B2

<400> 10170

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aatgctcact tgctcctagt gccattattc cacagttcct cccaccagtt acttcaatgg 180
gcttcgaaca cctagctgtg caagccaaca tgcaacaaca agcgcttgcg gcgagcgtct 240
tacaacaacc aattgcccac ttgcaacaac aatccttgcc acatctaaca atacaagcca 300
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ctgccgccta cttgcaagag cagctgcttg catccaaccc acttgctctg gcgaacgtag 420
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tggtgaaccc tgccgcctac gtacaacaac aacaactgct ttcatctagc ccgctcgctg 540
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<210> 10171

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-B3

<400> 10171

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gcacaacaac tacaacaact tgtgctagca aaccttgctg cctactctca gcaacaacag 360
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gctgggtgtga gcctgctac cttcttgaca caaccacaat tgggtgccgtt ctaccagcac 600
gctgcgccta acgctggca 619

<210> 10172

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-B4

<400> 10172

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cccaccagtt acttcaatgg gcttcgaaca cctagctgtg caagccaaca tgcaacaaca 120
agcgcttgcg gcgagcgtct tacaacaacc aattgcccaa ttgcaacaac aatccttgcc 180
acatctaaca atacaagcca tcacaacgca acagcaacaa cagttcctac cagcactgag 240
ccacctagcc atggtgaacc ctgccgccta cttgcaagag cagctgcttg catccaaccc 300
acttgctctg gcgaacgtag ttgcaaacca gcaacaacaa cagctacaac agtttctgcc 360
aacgctcagt caactagcca tgggtgaacc tgccgcctac gtacaacaac aacaactgct 420
ttcatctagc ccgctcgctg tgggcaatgc acctacatac ctgcaacaac aattgttgca 480
acagattgta ccagctctga ctcaactagc tgtggcaaac cctgttgctt acttgcaaca 540
gctgcttcca ttcaaccaac tgactctgtc gaactctgct gcgtacctac aacagcg 597

<210> 10173

<211> 515

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-B5
 <400> 10173

acagnaaaat cttgtggcta cagatttagg gggcaggggc attgacattg agcgtgtcaa 60
 cattgtgata aactatgaca tgccagactc agctgatact tatttgcaca gggttggaag 120
 ggctggacgt tttggcacga agggacttgc aatcaccttt gtttcctctg cttcgggggg 180
 tgatgttctt aaccaggtgc aagaaagggt tgaggttagac ataaaggaac tgcctgagca 240
 aattgacacc tcgacctaca tgccatcata aatgggaagg acaactgaga agagaggagg 300
 ataggggagt gaggagccgt ctggagatgg ttaccttga actatccgat ctggaggatt 360
 tgatttgctt cctttgtgta ctttaaaaag ggcagccagg atgatgatct gtattttaag 420
 acaatgctgt ctgtttgggt ttaggatttt gctttgtcga aaactagcac acttattgta 480
 ctactgagca gcatatttgt tttcatccct ggggtt 515

<210> 10174
 <211> 352
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-076-Q1-K6-B7
 <400> 10174

caacttcttc catttaacca attggccgca ctgaacctcg ctgcttattt gcagcagcaa 60
 atattactac catttagcca gctagctgca gcaagccgtg cttccttctt gacacagcaa 120
 cagttgctgc ctttctacca gcagtttgcg gctaaccgca caaccctctt acaactacga 180
 caggtgggtg ccctttgtcc aacttgcttt gacaaacca gcagcctcct accaacaaca 240
 catcattggt ggtgccctct tttagattgc ttattagttg taattcaata ataaagtttt 300
 ttggatgatg tatgtggcca accagaaata agaagttaca tttccagatt ct 352

<210> 10175
 <211> 580
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-B9

<400> 10175

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agaacgcgcg cctgagggag ctggcgaacc tcgtgatcgt cgccggtgac cacggcaagg 120
agtccaagga cagggaggag caggcggagt tcaagaagat gtacagcctc atcgacgagt 180
acaagttgag ggggggtatc cggtggtatc cggcgcagat gaaccgcgtc cgcaacgggg 240
agctgtaccg ctacatttgc gataccaagg ggcattcgt gcagcctgcg ttctacgaag 300
cgttcggcct gactgtgatc gagtcatga cgtgcggtct gccaacgatc gcgacctgcc 360
atggtggccc tgctgagatc atcgtggacg gggatatctg cctgcacatt gacccttacc 420
acagcgacaa ggccgcggat atcctggtca acttcttga caaatgcaag gcagatccga 480
gctactggga caagatctca cagggcggcc tgcagagaat ttatgagaag tacacctgga 540
agctctactc cgagaggctg atgacctga cgggcgtgta 580

<210> 10176

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C10

<400> 10176

caactagcaa catagnaaag cacaatagtg taccaacaat ggcagccaaa aattttgcct 60
ccttatgctc cttggtatct ctgcaagtgc tgctacggcg accattttcc cgcaatgctc 120
acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcgggtgtg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgagctg gcattcttacc 240
tttatcacc ttgttcctcc aacaatcatc agccctatta cagcagttac ctttggtgca 300
tttattggca caaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc 360
tgccctactc cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta cctgttgct acccccaaca 480
atttcttcca ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca 540
actactacca ttcagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 600

<210> 10177
 <211> 612
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-C11

<400> 10177

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 cgaanaaccc ccagtcgccc accanacact tgttaaactt tggtgagggg tgatggcggg 120
 ttcttnttcg caaacctcaa cttccgnagg caggggcttt aaaaagcttg atgagtacct 180
 tctcactcgc agctacatca ctggctacca agctggcagg atgacttggc tgtctacact 240
 tcgttttcgg ctgctccctc gtccaagtat atcaacgtag caaggtgggt taaccacatt 300
 gatgcgctcg tgaggctgag cggaattact gcagagggcc aaggtgtgaa ggttgaatcc 360
 tcagcagttc cttcagcccc aactccagat gttgctgaag cacaggcccc agttgctgag 420
 gaggacgacg acgatgatgt tgaccttttt ggtgaggaga ccgaagatga gaagaaggct 480
 gctgaagagc gtgctgcagc tgccaaggct tctggcaaga agaaagaatc tgggaagtca 540
 tcagttttac ttgatgtgaa gccatgggac gatgagactg acatggccaa gctcgaggaa 600
 gctgttagga gt 612

<210> 10178
 <211> 595
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-C2

<400> 10178

 cccgngtctg acccagccg tccgatagna aagcacaata gtgtaccaac aatggcagcc 60
 aaaatttttg cttccttatg ctcccttggtc tttctgcaag tggtgctacc ganaccattt 120
 tcccacaatg ctcacaagct cctatagctt cccttcttcc ccatacctc tcaccagcgg 180
 tgtcttcaat gtgtgaaacc ccaattgttc aaccctacag gatccaacag gcaatcgcaa 240
 caggcatctt accattatca cccttgttcc tccaacaacc gtcagcccta ttacagcagt 300

taccttttgggt ccatttgggtg gcacaaaaca tcagggcaca acaactacaa caacttgtgc 360
tagcaaacct tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg 420
cattgaactc tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct 480
acccccagca atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac 540
agcagcaaca actactacca ttcagccagc tagctgatgt gagccctgct gcctt 595

<210> 10179

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C3

<400> 10179

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aatttttgcc tcattatgct ccttgggtctt tctgcaagtg ctgctacggc gagcattttc 120
ccgcaatgct cacaagctcc tatagcttcc cttcttcccc catacctctc accagcgatg 180
tcttcagtat gtgaaaatcc aattcttcta ccctacagga tccaacaggc aatcgagca 240
ggcatcttac ctttatcacc cttgttcctc caacaatcat cagccctatt acagcagtta 300
ccttttgggtgc atttattggc acaaaacatc agggcacaac aactacaaca actcgtgcta 360
gcaaaccttg ctgcctactc tcagcaacag cagttacctt tgggtgcattt gttggcacia 420
aacatcaggg cacaacaact acaacaactc gtgctagcaa accttgctgc ctactctcag 480
caacaacagt ttctgccatt caaccaacta gctgcattga actctgctgc ttatttgag 540
caacaacaac tactaccatt cagccagcta gctgctgcct acccccggca atttcttcca 600
ttcaaccaac tggcagcatt gaactctcat gct 633

<210> 10180

<211> 280

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C4

<400> 10180

canaaaaggc atcggatttc ctgggtaact acatcttcct ggctgttgga agagttgggt 60
 caagtactga tttgattgcc cagcgagttg agtttgtgca ggaggcagat aaaagaagcc 120
 acctgatgga tcttcttcat gcacaaagag atacagngaa agcaaactct cacgcttgtc 180
 tgttgtggaa accaagaggg gncgctgatt cattggaaag ctggttgtgc atgaatgggt 240
 ttccagctac ttctattcat ggagatagaa accagcagga 280

<210> 10181

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C5

<400> 10181

gcccaactag caacatagna agcacaatag gggaccaaca atggcagcca aaatttttgc 60
 ctcttatgc tccttggctc ttctgcaagt gctgctacgg cgaccatttt cccgcaatgc 120
 tcgcaagctc ctatagcttc ccttcttccc ccgtacctct caccagcggg gtctgggggg 180
 tgtgaaaacc caattcttca accctacagg atccaacagg caatcacagc tggcatctta 240
 cctttatcac ccttgttcct ccaacaatca tcagccctat tacatcagtt acctttggtg 300
 catttattgg cacaaaacat cagggcacaa caactacaac aacttgtgct agcaaacctt 360
 gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct 420
 gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag 480
 caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa 540
 caactactac cattcagcca gctagctggg gtgag 575

<210> 10182

<211> 237

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C7

<400> 10182

naaaaaaaaa aaaaaaaaaa aaaaaagagg ggggggggaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aggggggaccc 120
gctcaaaaaa aacaaaaact aaacgaaccc ggccagggaa acccaaaacc cttccccata 180
gtcccccccg gggggggggg gggggaaccc ccttctcaaa acccagggga acgggga 237

<210> 10183

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C8

<400> 10183

gtcagcctag cattagctca tcggctggcg gaggggggnac tcgacacccat gaagtgtctga 60
tcgttgccct tgctctcctg gcgctcgctg cgagcgccgc ctccagtaca agcggcggt 120
gtggctgcc aacaccaccg ttctcatctac cgctccgtt ctatatgccg cctccgggt 180
atctgccgcc gcagcagcag ccgcagccat ggcaataccc cactcaacca ccgcagctaa 240
gcccgtgcc aacgttcgga tcttgccggc tgggcagcgt cggcagcccg ttcttgggcc 300
agtgcgtcga gttcctgagg caccagtgcg gcccggcggc gacgccctac ggctcgccac 360
agtgccaggc gctgcagcag cagtgtctgc accagatcag gcaggtggag ccgctgcacc 420
ggtaccaggc gacatacggg gtggctcctgc agtccttctt gcagcagcag ccgcagggcg 480
agctcgccgc gctgatggcg gccaggttag cgcagcagct gacggcgatg tgcggcctgc 540
agctgcagca gccaggtccc tgcccttgca acgcagct 578

<210> 10184

<211> 299

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C9

<400> 10184

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tggctgccaa acaccacca ttcatctacc acctccnntc tatataccac cttggggggg 120
gtgccccnc ancatcanc ccanccatcc caatacccca ctcaaccacc gcacctaacc 180

ccgtgccacc aaatcgcatc ctgcngcatc cgcagcgnca gcagcccggn cctcggccag 240
 ngcgccnact ctctcagca ccaccgcaac ccnncggcca cgccctacgg ctccccaca 299

<210> 10185

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D1

<400> 10185

cccgngcaa atccccgta ccaccacgt acgtttttta agagcaccac ttacgatctc 60
 cttcgccaac cgcgccgctc tctctctctc tctcgcacga gccgcgccgg cgccgccacc 120
 acgcgcgcgg gagacagaga ccacagccgc agccaccggc gggcggaata ggaatggtgg 180
 cgccgggggg aggagcagga ggaggtccgt cgcggtggcc ggcggcggag gagcttgaca 240
 ctgtacggaa gaagtggtg gagattagtg gaagggatga acaagaggtt atggttgctg 300
 cttgccccta cagaatttgc cctttggggg ctcatattga tcatcagggg ggagtagtca 360
 cagctatgac cataaattat ggagtactcc ttggtttcgt tccctctaatt ggttctgagg 420
 ttttacttca ttctggtcag tttgaagggt ctataagatt cagagttgat gacttgcaaa 480
 agcctattga taaacctgag aacataaact ggggaagtta tgcaaaagggt gctgttagtg 540
 cactgcagaa tagtgatat gatctaagga agggatatcat aggatatatt tctggtgtga 600
 aaggtcttga ta 612

<210> 10186

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D11

<400> 10186

ggggaaactt tcacatactt acacgtgcgg gacttgataa aggtctcact tagtcttttg 60
 gcatgggttt gacacaatgc ttcggccttg tttagtaatt cgtcttgggc ttgcatgctc 120
 cagcatacca ccttgtgata gacccattt tgggcaagca gtagtttctc aaatgggggg 180

ggggggttgta aatttgacca acggnaaaag attcaagaat taccgttttg ctggattgcc 240
 atgggatttc cccattcaga tttccaatgc aaatgatgag gtcatttgtc actgtagctc 300
 aagaaaacta cccaaatcgt cttggactat tgtttgttgt ccgccttcgt ccagttgtta 360
 .gagttattgc acagacattt cttcaagttt tgaaaccatc taaaaagcag aagttacgtt 420
 ttgagggaga ttcatacaag aagacgttgg cggagttctt gcaggccgtg ccagcgtttc 480
 tgggcggtaa atgcagctgc ccacgatgcg agaagcctcg taatagttca gtggtgcagg 540
 caggggaagg gagcaagaac cagcctcgct tggtcagcgt tgataccgg 589

<210> 10187

<211> 611

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D12

<400> 10187

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 aagcccatat ttatcgagtc acaggcgcca gctccagctc cagagcccat ccctgtaaaa 120
 ttgcctgcaa aacaagccaa ggaagtgcct gctccccagg cagatgatgc tcccaggggg 180
 gaggtccttc gaaaggacct gtcaagtcgc acaaggcaaa agctgctctt gatgctgatg 240
 atgattatga ggccgagccc ctgaaggaga aggcaaagcc tacggaggct gatgtggcta 300
 agttgaaaga gatcaagagg caggaggaga ttgagaagaa caagcttgca ttggagagga 360
 agaagaagca ggctgagaag caagcagcaa aagccgcggc ccgggcacag aaggaagctg 420
 agaagaagct gaagaaagag gagaagaaag ccaagaagaa atctggcgca gctgacactg 480
 atgagccctc agaatcggac gccaaagtctg atgaagccat ggaagcccca gtggagcagg 540
 aagtggcccc agcttccacc atggtaaaga aggaacagaa ggagagtgcc cggcacagga 600
 acgtggtcag c 611

<210> 10188

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-D3

<400> 10188

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tateccctctt tgcgcttctt gccctttttg tgagcgcaac aaatgcgttc attattccac 120
aatgctcact tgctcctagt gccattattc cacagttcct ccctccatta cttcaagggc 180
ttcgaacacc cagctgtgca agcctacagg ctacaacaag cgcttgcggc gagcgtctta 240
caacaaccaa ttgcccaatt acaacaacaa tccttggcac atctaaccat acaaaccatc 300
gcaacgcaac agcaacaaca atttctatca gcaactgagcc aactagctgt ggtgaaccct 360
gtcgcctact tgcaacagca gttgcttgca tccaaccac ttgctctggc aaacatagtt 420
gcataccaac aacaacaaca attgcaacag tttctaccag cgctcagtca actagccatg 480
gtgaaccctg ccgcctacct acaacagcaa caactgattt catctagccc tctcgctgtg 540
gttaatgcac ctacatacct gcaacaacag ttgctgcaac agattgtacc agctctgact 600
cagct 605

<210> 10189

<211> 155

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D4

<400> 10189

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gtgctagcaa accttgctgc atactctcag caacatcagt ttcttccatt caaccaactg 120
gctgcattga actctgctgn cttattnntg caaca 155

<210> 10190

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D5

<400> 10190

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 atattttccc tccttatgct ccttgctctt tctacatgtg ttgctaacgc gacaattttc 120
 cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atgaatgata 180
 gcttcagtat gtgaaaaccc agctcttcaa ccatataggc ttcaacaagc aatcgagca 240
 agcaacatac ctttatcgcc cttgttggtt caacaatcac cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggcacaacag ctgcagcaac tcgtgctacc tgtgatcaac 360
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
 caactgtcta cactgaaccc tgettggtat ttgcagcaac aactattacc atttagccag 480
 ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
 aaccccgctg cttatttgca gcagcaaata ctactga 577

<210> 10191

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D6

<400> 10191

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 atgctccttg gtatttctgc aagtgtgtc acggcgacca ttttcccgca atgctcacia 120
 gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aacccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
 tcacccttgt tcctccaaca atcatcagcc ctattacagc agttaccttt ggtgcattta 300
 ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
 tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ttgcctaccc ccaacaattt 480
 cttccattca accaacttgc tttgacaaac ctagcagtggt tctaccaaca acccatcatt 540
 ggtggtgccc tcttttagat ttcttatgag ttatagttca ataataaagt tttttgtctg 600

<210> 10192

<211> 267
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-D9

<400> 10192

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 gcgtcaacaa gacgaagttt caaagctttt gtagctgcat aggctgctgc aacgtttttc 180
 agtggttaact cgtgtgttcc tgttcagggt cttcagcatg acataaatcg tttcagaagt 240
 ctagtaatat tattactatn tgggtgct 267

<210> 10193
 <211> 593
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-E1

<400> 10193

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 cttccttatg ctccttggtc tttctgcaag tgttgctacc gcaaccattt tcccacaatg 120
 ctcacaagct cctatagctt cccttcttcc cccatacctc tcaccagcgg tgtcttcaat 180
 gtgtgaaaac ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240
 accattatca cccttggttc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
 ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttggtc tagcaaacct 360
 tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
 tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct acccccagca 480
 atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttattttac agcagcaaca 540
 actactacca ttcagccagc tagctgatgt gagccctgct gccttcttga cac 593

<210> 10194
 <211> 620
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-E10

<400> 10194

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acatctttgc atcatttgtc atgcagtaat agttcaaggg ttcctgagca gttgtggctg 120
ttgcagatca tcttgattac acattactga ttctttcaat gaaccattat gacatcattt 180
ttcgctacac attggttaggc aactcttgag gtaggaaggt gcatgacctc tcccgcaacg 240
agccatttgt cttgtgtgga caatggtaaa ggttttaggg gcttactcaa accactccct 300
ttgtttgcat tggcactgat acaagaaaca tgacactgac attcttgtca tgttcattgc 360
acatactgtc tgataaggac aaatatgtaa ccgatgtgtc cctgcatgta gctactacca 420
taacctggtt aatgggtata ttgctagctt gattatgggt taatgagctg gaggactttg 480
cacctgccat gaccttactg tgctcattgc tgaccaattc cttgtgttac atttcaaaat 540
tattactaaa actcacaccg gtgagtattt tgccacaata ttttgtacct caacattctt 600
actggaagtt tgttctgttc 620

<210> 10195

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-E12

<400> 10195

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cgccttcagc acctacggcg aggtcctcga gtccaagatc atcctcnatc gggagagtca 180
gannggccgc ggcttcggct tcgtcacctt ctccacggag gaggcgatgc ggaacgccat 240
cgagggcatg aacggcaagg agctggacgg ccgcaacatc accgtcaacg aggcccagtc 300
ccgcggcggc cgtggaggcg gcggcgggcg ctacggtggt ggccgtggag gcggcggtca 360
cggcggtggc gggcgccgtg atggcgggcg cggctacggc ggtggcgggc gcggctacgg 420
tggcggcggt ggctacggtg gtggtggtgg cggctacggc ggtggcaacc gtggcgggcg 480

ctacggcaac tccgacggga actggaggaa ctgagcgggtg gggcccgcgc ggccaagtta 540
tccgtgtcgc taccgtgatg tttaccctag tccagagggt ttatcttcgt tcgtctcgtt 600
tgttgttgcc 610

<210> 10196

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-E2

<400> 10196

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ccttatgctc cttgggtctt ctgcaagtgc tgctacggcg accattttcc cacaatgctc 120
acaagctcct atagcttccc ttcttcccc gtacctctca ccaacgggtg cttcggtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atgcagctg gcattctacc 240
tttatcacc ttgttctctc aacaatcatc agccctatta cagcagttac ctttgggtgca 300
tttattggca caaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc 360
tgccactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480
atttcttcca ttcaaccaac tgacagcatt gaactctcct gcttatttac agcagcaaca 540
actactacnc attcagccag ctagctgggtg tgagccctgc ta 582

<210> 10197

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-E3

<400> 10197

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tcgccatgct ggactcggag gagcaccact tcgaatcgaa ggccgacgct ggggcgtcca 120
agacctaccc gcagcaggct ggcaccgtcc gtaagaacgg cttcatcgct atcaagaacc 180

gtccctgcaa ggttgtggag gtttctacct ccaagactgg taagcatggc cacgccaaat 240
gccactttgt cgccatagac atattcaatg ggaaaaagct tgaagatatt gttccttcat 300
cacacaactg tgacattccg catgtgaacc gtactgagta tcagctgatt gatatttctg 360
aggatggatt tgtgagcctt cttacttcag atggcaacac taaggatgat cttagactcc 420
caactgatga gactcttgtg gccagatta aggaaggggt cgaaagcggg aaggatcttg 480
ttgtgactgt ccagtctgcg atgggggagg agcagatctg cgcggtgaag gatgttggcc 540
ccaagtaact tccttggctt tggagacgga accctactgt atctcaactt aaatcggaaa 600
agaagtgtat caccaa 616

<210> 10198
<211> 345
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-E4
<400> 10198

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ccccgcccc cccnccccn cncncccccc ccccccccc ccccccncc ncccccccc 180
cccccccccc ccncccccc ccccccccc ccccccccc ccnccccgg ccccccccc 240
cccccccccc nccncccc ccccccccc ccccccccc ccccccccc ccccccccc 300
ccncccccc ccccccccc ccccccccc cccccccca cacac 345

<210> 10199
<211> 517
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-076-Q1-K6-E7
<400> 10199

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gagtgtcgag gtcaggcccc tacctgctct caaggagaac gtgaagcgtg tcatgtttta 180
 ctgctgagac gctggtgggc tgccttcgcc aaggggaatg tcctggagca ttcccatgta 240
 cccgcactgt ttcggtgata cagtactatc taacgccgat tttgcgcgtt aagacttcca 300
 gtgatttggg aaatttcttg tacgactggt gtagtggtgt gtattcgtaa tgtgatgacg 360
 cggcagttct tctaggagct tagtgccgtg taaagtattt gttgtaagtt gtaactaacc 420
 agtcaccccc tactgttagt catgatgaac caaattgtat gtgtgaggca ttgactgtcc 480
 gatggttatg acagctagtt ccttgagtag ttccggtt 517

<210> 10200

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-E8

<400> 10200

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 tccttgctct ttctgcatgt gttgctaacg cgaccatttt tcctcaatac tcacaagctc 120
 ctatagctgc ctttcttccc ccataccttc catcaatgac cgcttcagtt tgtgaaaacg 180
 cagcccttca accctacagg ctccaacaag caatcgcaac aagcaactta cttttatcac 240
 ccctgttctt tcaacaatcg ccagccctat ctttggtgca gtcattggta caaaccatca 300
 gggcacaaca gctgcaacaa ctctgtctac cagtgatcag ccaagtagct ctggcaaacc 360
 tttctcccta ctctcagcaa caacaatttc ttccattcaa ccaactgtct aactgaacc 420
 ctgctgctta ttacaacaa caacaactac taccattcag ccagctagct actgcctact 480
 ctcagcagca acaatttctt ccatttaacc aattggcgcg actgaacccc tctgcttatt 540
 tccagcagca aatactacta ccatttggcc agcta 575

<210> 10201

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-E9

<400> 10201

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 gcagtgtctgc taccgcaacc attttcccac aatgctcaca agctcctata gcttcctttc 120
 ttcccccata cctctcacca gcggtgtctt cagtatgtgg aaaaccaat tcttcaaccc 180
 tacaggatcc aacaggcaat cgcagcaggc atcttacctt tatcacctt gttcctccaa 240
 caaccgtcag ccctattaca gcagttacct ttggtgcatt tgttggcaca aaacatcaag 300
 gcacaacaac tacaacaact tgtgctagga aaccttgctg cctactctca gcaacagcag 360
 tttcttccat tcaaccaact ggctgcattg aactctgctg cttatttgca acaacaacta 420
 ccattcagtc agctagctgc tgccatcccc cagcaatttc ttccattcaa ccaactggca 480
 gcattgaact ctgctgctta ttacaacag caacagctac caccattcag ccagctagct 540
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<210> 10202

<211> 620

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-F1

<400> 10202

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 ctcaatactc acaagctcct atagctgccc ttcttcccc atacctcca tcaatgaccg 180
 cttcagtttg tgaaaaccca gcccttcaac cctacaggct ccaacaagca atcgcaacaa 240
 gcaacttacc tttatcacc ctgttctttc aacaatcgcc agccctatct ttggtgcagt 300
 cattggtaca aaccatcagg gcacaacagc tgcaacaact cgtgctacca gtgatcagcc 360
 aagtagctct ggcaaaccct tctccctact ctgagcaaca acaatttctt ccattcaacc 420
 aactgtctac actgaaccct gctgcttatt tacaacaaca acaactacta ccattcagcc 480
 agctagctac tgccctactct cagcagcaac aatttcttcc atttaaccaa ttggccgcac 540
 tgaacccctc tgcttatttc cagcagcaaa tactactacc atttgccag ctagctacaa 600
 caagccccac ttcttttttg 620

<210> 10203
 <211> 489
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-F10

 <400> 10203

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gcgacaccat gagctccagg agtgcgggcg cgggcgggcg ggcgccaaga cgtcgtggcc  120
tgagggtggtc gggctgagcg tggaggacgc caagaagggtg atcctcaagg acaagcgggg  180
cggcgagggg gtgggtgctgc ccgtcggctc cgtgggtgacc gcggattatc gccctaaccg  240
tgtccgcata ttcgtcgaca tcgtcgccca gacgccccac atcgggtgat aatatataag  300
ctagccgcta tttcctttcc ttgcccaga acttgaaata aatatatata cgatgaaata  360
acgcgggcat gccgaataat ggatgtgtga attctcacta attaagtaat gcataaataa  420
ncgtinnaana aaaaaaaaaa aaaanaaaaa naaananaaa aaaaaaaaaa naaaaannaa  480
aanaaaaaa                                         489
  
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<210> 10204
 <211> 587
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-076-Q1-K6-F12

 <400> 10204

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acaatgctca caacaatacc tctctccggt gacagccgcg ggattttcaac accgggcttg  180
cagggttaca tgctacatga ggccatcgta gcaagcatct tacggtcatt agcattaacc  240
ctccaacagc catatgccct attgcaacaa ccaccttag tgcatctgta tctccaaaga  300
atcgcgacac aacaactaca acaacagttg ctaccaacaa tcaatcaagt agttgcagcg  360
aaccttgctg cttatctcca gcaacaacaa tttcttccat tcaatcaact agctgggggtg  420
aaccttgctg tctacttgca ggcaacaacaa ctactaccat ttaaccaact tgtcggggagc  480
  
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cctgatgcct tcttactgca acaacagctt ctgccattcc atctgcaagc tgtggaaaac 540
attgcttctt tcttgcgaca acaacaattg ttgccatttt acccaca 587

<210> 10205
<211> 553
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-F2

<400> 10205

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ccgcctcgtc cgcaacgcag acgatccctt cccgcaacgc ctctccaag tacgatttcg 180
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ataaaatgat gacaaggctc catcatcaac gggttccact agtaattttg gtgtgtggaa 480
ctgcctgtac tggaaaatca acaatcgcta cacaacttgc tcagaggctc aatttgccca 540
atgttttgca gac 553

<210> 10206
<211> 590
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-F3

<400> 10206

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atgctccttg gtctttctgc aagtgtgct acggcgacca ttttcccgca atgctcgcaa 120
gtcctatag ctcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
aacccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240

tcacccttgt tcctccaaca atcatcagcc ctattacaac agttaccttt ggtgcattta 300
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 cttccattca accaactagc agcattgaac tctcctgctt atttacagca gcaacaacta 540
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<210> 10207

<211> 206

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-F4

<400> 10207

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 gctgccagcg ccagcgccgg gacctcctgc gtgccggggg gngccatcc cgcacaaccc 180
 ggtggccgag ctgccgctgn gtacgt 206

<210> 10208

<211> 541

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-F5

<400> 10208

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 aaaccaatt cttcaaccct acagggttcc aacaggcaat cacagctggc atcttaccct 120
 ttatcaccct tgtgtcctcc aacaatcatc agccctatta catcagttac ctttggtgca 180
 tttattggca caaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 240
 tgcctactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 300
 ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca 360
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actactacca ttcagccagc tagctggtgt gagccctgct accttcttga tacaaccaca 480
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 a 541

<210> 10209
 <211> 596
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-F6

<400> 10209

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 tcgcaagctc ctatagcttc ctttcttccc ccgtacctct caccagcggg gtcttcggta 180
 tgtgaaaacc caattcttca accctacagg atccaacagg caatcacagc tggcatctta 240
 cctttatcac ctttgcttct ccaacaatca tcagccctat tacatcagtt acctttgggtg 300
 catttattgg caaaaacat cagggcacia caactacaac aacttgtgct agcaaacctt 360
 gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct 420
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 caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa 540
 caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt gataca 596

<210> 10210
 <211> 605
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-F7

<400> 10210

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 acaatgetca caagctecta tagcttctt tcttccccca tacctctcac cagcgggtgc 180

ttcagtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcgcagcagg 240
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<210> 10211

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-F8

<400> 10211

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 cctgaggcaa cagctgcaaa tgacagacac aagaggaatt gcaacagtgg tgaggcagtt 480
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<210> 10212

<211> 596

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-G1

<400> 10212

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ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
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cttccattca accaactggc agcattgaac tctctgctt atttacagca gcaacaacta 540
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<210> 10213

<211> 519

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-G10

<400> 10213

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ctaacaagca ccctccagcc gcgttcaata cccctaacca ccaccatcag gggggggggg 180
ggccttatta ttcctctcct ctacagacta ttacaggca gagcatcccc taccattcca 240
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cacaattgat ctacgaacac ccaataacgg tcacacaaca cctctttata catgcgcctc 420
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tagtaaaaaa taaaccaatg ttcctgtgtg agtgaaaaa 519

<210> 10214

<211> 343
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G11

<400> 10214

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ttgctgccct ttntccaagg gggggggacaa acccancanc cttctaccaa caacacatca 180
ttggcggtgc cctcttttag attgcttatt agttgtaatt caataatgaa gttttttggc 240
tgatgtatgt ggcctectag aaataagaag ttatatattcc aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaagggcgcg ccaataactaa aaa 343
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<210> 10215
<211> 587
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-G12

<400> 10215

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tactattatt ccacaatgct cacaacaata cctctctccg gtgacagccg cgggattggg 180
gggcggggtat acaatcctac atgctacatg aggccatcgt agcaagcatc ttacgggtcat 240
tagcattaac cctccaacag ccatatgcc tattgcaaca accatcctta gtgcatctgt 300
atctccaaag aatcgcgaca caacaactac aacaacagtt gctaccaaca atcaatcaag 360
tagttgcagc gaaccttgct gcttatctcc agcaacaaca atttcttcca ttcaatcaac 420
tagctgggggt gaaccttgct gtctacttgc aggcaacaac actactacca tttaaccaac 480
ttgtcgggag ccctgatgcc ttcttactgc aacaacagct tctgccattc catctgcaag 540
ctgtggaaaa cattgttctt ttcttgcgac aacaacaatt gttgcca 587
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<210> 10216
<211> 597

<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G4

<400> 10216

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gctgcggctg ccagccaccg ccgcccgttc atctaccgcc gccggtgcat ctgccacctg 180
cggttcacct gccacctccg gtgcattctc caccgcccgt ccacctgccg ccgcccgtcc 240
acctgccacc gccggtccat gtgcgcgcgc cggttcatct gccgcccga ccatgccact 300
accctactca accgccccgg cctcagcctc atccccagcc acacccatgc ccgtgccaac 360
agccgcattc aagcccgtgc cagctgcagg gaacctgcgg cgttggcagc accccgatcc 420
tgggccagtg cgtcgagttt ctgaggcatc agtgcagccc gacggcgacg ccctactgct 480
cgcctcagtg ccagtcgttg cggcagcagt gttgccagca gctcaggcag gtggagccgc 540
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<210> 10217
<211> 595
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G5

<400> 10217

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ccttatgctc cttggtcttt ctgcaagtgc tgctacggcg accattttcc cacaatgctc 120
acaagctcct atagcttccc ttcttcccc gtacctctca ccaacggtgt cttcgggggtg 180
tgaaaacca attcttcaac cctacaggat ccaacaggca atcgcagctg gcattctacc 240
tttatcacc ttgttctctc aacaatcatc agccctatta cagcagttac ctttggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgccactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480

atttcttcca ttcaaccaac tgacagcatt gaactctcct gcttatttac agcagcaaca 540
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<210> 10218
<211> 243
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G6

<400> 10218

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ttgctttgac aaaccagca gcgttctacc aacaacccat cattggtggt gccctctttt 180
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cag 243

<210> 10219
<211> 599
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G7

<400> 10219

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cctagtgccg gtattccaca gttcctccca ccagttactt caatgggctt cgaacatgca 180
ggcgtgcaag cctacaggct acaactagcg cttgcggcga gcgccttaca acaaccaatt 240
gcccattgca aacaacaatc cttggcacat ctaaccctac aaaccattgc aacgcaacaa 300
caacaacaac agtttctgcc atcactgagc cacctagcgg tgggtgaacc tgctacctac 360
ttgcaacagc agctgcttgc atccaaccca cttgctctgg cgaacgtagc tgcataccag 420
caacaacaac agctgcaaca gtttatgccg gtgctcagtc aactagccat ggtgaaccct 480
ggcgtctacc tacaactact ttcacttagc ccgctcgcgg tgggcaatgc acctacgtac 540

ctacaacaac agttgctgca acaaattgta ccagctctga ctcagctagc tgtggcaaaa 599

<210> 10220

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-G9

<400> 10220

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gcggggctac gggccagcgt cgccgtcgtc gtcgggtggcg ctgcctcggg cgcgatcgcg 180

ggtacctgcg tcgctcgtgc ccgtgccgac ggggcggggcg ccatcggcgc gcctgcgtgc 240

ggcggtcgcg gacgtgcccc gcggcggcct gcagctccag cggcgggggg aggaagtgtc 300

gtcggggacc gtgttcggca gagaagagga tgaggtgttg gagaaggtcg gggaggagaa 360

ggtggacggg tggatacggg agtcgatcgc ggagatcgtg cggcacatcg gcgaggcgcc 420

gttcctggtg cacctgttca gcagcggcga cggcgacggc gagcacgtga cggtgcgggc 480

ggagaccgcg gcgccggaga gctggccgga cgtgcggcgc cgggtggggaa tgggcgggca 540

gcggaggccg gacggggtca tcctggtcga gcaggt 576

<210> 10221

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-H2

<400> 10221

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tagcgcttgc ggcgagcgcc ttacaacaac caattgccc aattgcaaaa caatccttgg 120

cacatctaac cctacaaacc attgcaacgc aacaacaaca acaacaacag tttctgccat 180

cactgagcca cctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcac 240

ccaaccact tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt 300

ttatgccagt gctcagtcac ctagccatgg tgaaccctgc cgtctaccta caactacttt 360
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aaattgtacc agctctgact cagctagctg tggcaaacc tgctgcctac ttacaacagt 480
tgcttccatt caaccaactg gctgtgtcaa actctgctgc gtacctacaa cagcgacaac 540
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<210> 10222

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-H3

<400> 10222

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ggtgaaaaaa agaacgaaga aacctgcagt gtacgtatct caactgtacg tggcatgcca 180
tgcaaatcct gcctaagtta ccccgacaa tggcattgcc tagtgacgtg gtggatcttc 240
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tggctgagtc tgtctattct ttgtgtggtg tgtagcattc ctctgtttt cgttgtccaa 360
aatggtgtca aatccagttt tttgttgca gaatgaaccg tgacgttagt gtgttttgct 420
ggcggttagg tgcaaaatac tcgaaacctg aattgccgc tcgctatttc gggttgtaag 480
tatatgatga atctgatttt agttgcatgg tgtaccatc ttatctgaaa ataataaag 540
atctgtttgt ggttgact 558

<210> 10223

<211> 573

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-H5

<400> 10223

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tacttgttgg ctgtttttta tgtattctga gaagcagctg aactaataag ctgctgcaga 120

agttgactgt ttgtcagaac ttctgtttta gtttgtgaaa aactgaaaat gggggggcca 180
 aacatgacct acatgtgac ctcctattggt gacaaagctt ggactacttt tgttctgatg 240
 atgctcatgg tttgattttt catgaacaca atgaacgttg ttacaagagg ctacaagatc 300
 accaatttag atggaccatt aatccattat atgcacaatg gacttgccaa tgatctagag 360
 gacatgatgt gatgcctcat tattctgttg cttgttcttg cacgcttcgg ttctgtttca 420
 tggcacagta ttgtcccata ccccgctctc taaatctcct gtagtgctga ctgagaactt 480
 atgaagctaa tggctttcat ttctggcaca cttggaatac ttgtacccaa ccagattggc 540
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<210> 10224

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-H6

<400> 10224

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 aacatcaatt atctaactcc aaaaaccatn aagctgggtgc ttgtgggtct tgctttcatt 120
 gcttttagtat caagtgtttc ttgtacacag acaggcggct gcaactgtgg tcaacagcgg 180
 gggctgagca gcaacatcat ccacaacaac atcatccaca aaaacaacaa catcaaccac 240
 caccacaaca tcaccagcag cagcaacacc aacaacaaca agttcacatg caaccacaaa 300
 aacatcagca acaacaagaa gttcatgttc aacaacaaca acaacaaccg cagcaccacc 360
 accaacaaca acaacaacag caccaacaac aacatcaatg tgaaggccaa caacaacatc 420
 accaacaatc acaaggccat gtgcaacaac acgaacagag ccatgagcaa caccaaggac 480
 agagccatga gcaacaacat caacaacaat tccagggtca tgacaagcag caacaaccac 540
 aacagcctca gcaatatcag cagggccagg aaaaatcaca acagccacaa tgtcattg 598

<210> 10225

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-H7

<400> 10225

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tctcgtcgtg tgcctggctc tgtcagctgc cagcgccctc gcaatgcaga tgccctgccc 120
ctgcgcgggg ctgcagggct tgtacggcgc tggcgccggc ctgacgacga tgatgggggg 180
gggggggctg taccctacg cggagtagct gaggcagccg cagtgcagcc cgctggcggc 240
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gtgctgccag cagcagatga ggatgatgga cgtgcagtcc gtcgcgcagc agctgcagat 360
gatgatgcag cttgagcgtg ccgctgccgc cagcagcagc ctgtacgagc cagctctgat 420
gcagcagcag cagcagctgc tggcagccca ggggtctcaac cccatggcca tgatgatggc 480
gcagaacatg ccggccatgg gtggactcta ccagtaccag ctgccagct accgcaccaa 540
cccctgtggc gtctccgctg ccattccgcc ctactactga ttcagt 586

<210> 10226

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-H8

<400> 10226

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gcagttgctt gcatccaacc cacttgctct ggcaaacata gttgcatacc aacaacaaca 120
acaattgcaa cagtttctac cagcgctcag tcaactagcc atgggtgaacc ctggcggcgg 180
ggctacaaca gcaacaactg atttcatcta gccctctcgc tgtgggtaat gcacctacat 240
acctgcaaca acagttgctg caacagattg taccagctct gactcagcta gctgtggcaa 300
accctgctgc ctacttgcaa cagctgcttc cattcaacca actgactgtg tcgaactctg 360
ctgcgtacct acaacagcga caacagttac ttaatccact agcgggtggct aaccattgg 420
tcgttgccct cctacagcag caacaattgc tgccatacaa ccagttctct ttgatgaacc 480
ctgccttggt gtggcagcaa cccatcggtg gaggtgccat ctttttagatt acatagaga 540
tgtactogat aatggtgccc tcatagcggc atgtggt 577

<210> 10227

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A1

<400> 10227

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tccttatgct ccttggctctt tctgcaagtg ctgctaccgc aaccattttc ccacaatgct 120
cacaagctcc tatagcttgc tttcttcccc catacctctc accagcgggtg tcttcagtat 180
gtgaaaaccc aattcttcaa ccttacagga tccaacaggc aatcgcagca ggcattctac 240
ctttatcacc ctgtttcctc caacaaccgt cagccctatt acagcagtta cctttgggtgc 300
atttgttggc acaaaacatc aaggcacaac aactacaaca acttgtgcta ggaaaccttg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ctaccattca gtcagctagc tgctgcctac cccagcaat 480
ttcttccatt caaccaactg gcagcattga actctgctgc ttatttataa cagcaacagc 540
taccaccatt cagccagcta gctgatgtga gccctgttgc cttcttgaca caacaacagt 600
tgt 603

<210> 10228

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A10

<400> 10228

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ccgaatgttg aaagcttgga gaaatttatt aatgtctctc gactcgattg gtctctgtgt 120
ttcaagataa ttcaggggat agcaaagggc ttacattgct tacataagca tcatatgggtg 180
ggtgggggatt tgaatccagc caacatcctc gtccgttcag atatgaatcc tgtgggtcatc 240
aattttggat catcaatagt gctggatcgt gatgatgata aggtcacccg ggatgccgta 300

gcaggcacac tgggttatgt cgctccagaa aaacttatgg aagcttatgc atcaatgatg 360
tctgatgtgt tctcttttgg aatcatcatc attgagatca ttaccggcag gagagcttca 420
cctttcgttg atttaccgga atgggggttca gttgatgaga tgattacatc agcgaaaggg 480
ttatttgatc cggcgctagc taacgagtct cagctgatga agattaatag gtgcagagag 540
gtcggactga agtgcattga gcgggatccg aaacgtcngc ctaccatggg aaatgtcctt 600
gagatgctaa gtag 614

<210> 10229

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A11

<400> 10229

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ctcctatagc ttcccttctt ccccgctacc tctcaccaac ggtgtcttcg gtatgggggg 180
gggggggttct tcaaccctac aggatccaac aggcaatcgc agctggcatc ttacctttat 240
cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
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atttgcaaca acaacaacta ccattcagcc agctatctgc tgctacccc cagcaatttc 480
ttccattcaa ccaactgaca gattgaact ctctgctta ttacagcag caacaactac 540
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t 601

<210> 10230

<211> 225

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A12

<400> 10230

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tccaccacgc cctcacagct ggcatactaac ctnaatcacc cttttttctt tcacaancat 120
canccttatt actggttttt gcctgggggn cctcnatngn ccanaacat canttcacaa 180
caacaacaac aacaagngct agcggaccgg gctgcctact ctgag 225

<210> 10231

<211> 520

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A2

<400> 10231

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ctctatccat ctctctctat ctatatatgt aataatgcag taagacgaca cacattatca 120
tgtgtggtat gaccaataat atatgcatgg tcataataaa gttttggttt taatgggtca 180
gggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaca aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggagagcc 300
aaataaaaag gaaacaaaac aaaacaaacc caaaaaaaaa aaaaaaaaaa aaaggggggg 360
ggggccccc aaacaaaata cattgcccc cttttaacaa cgngtgact ggtaaaaacc 420
ggggcgaaac caaaataaac cgccgggggt taaaaccctt tttggccggg aaaaacattg 480
ggaaaaagcc caaacgggtc ggccttcaca aacctttttt 520

<210> 10232

<211> 244

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A3

<400> 10232

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aggactggaa acatacctcc gtgtgtcctg taactgaagg tacaaaattt actggatgga 120

gggatctgat agtatgttgc agccccccct ttttcgtttc atccttgatg taattgtggt 180
 accgatgtat tttgtacaag aacaaatcaa taataatgca atcgaaagcg agctgttcat 240
 acgc 244

<210> 10233
 <211> 604
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-A4

<400> 10233

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 ttccacagtg ctcaactgct cctagtgcc a ttattccaca gttcctccca ccagttactt 180
 cagtgggctt cgaacatcca gccgtgcaag cctacaggct acaactagcg cttgcggcga 240
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 tggcgaacgt agctgcatac cagcaacaac aacagctgca acagtttatg ccagtgtcga 480
 gtcaactagc catggtgaac cctgccgtct acctacaact actttcatct agcccgctcg 540
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 tgac 604

<210> 10234
 <211> 184
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-A6

<400> 10234

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 ttagcggcga tgagtaacgt agtgtcacc atcaccatgg gtggcagtgt gagcaatgac 120
 ctgaatgaac cattgaaatg gaaaggaata atatataagg aaaaaagatg attgggaact 180

<210> 10235
 <211> 575
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-A7

 <400> 10235

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cccccccc ccccccccc ccccccccg ccccccccc ccccccccc ccccccccc 360
ccccccccg ccccccccc ccccccccc ccccccccc ccccccccg ccccccccc 420
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ccccnnccc ccccccccc ccccccccc ccccccccc cggcccccc ccccccccc 540
cccccccc ccccccccc ccccccccaa ccaag 575
  
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<210> 10236
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-077-Q1-K6-A8

 <400> 10236

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ctgaaacaca tgcccctctt gtgcacctgt ccgcgcttcc agaaggcacc ggtggggggc 180
ggagatagcg agagccttgg acgttgacc tctactcgga atctacttcc agctcttgca 240
tgtttgtggc catcatgtac tgattttccc ttttcaacag ttgtcgtgag gctgtatctt 300
ctggaggtta aaaaatgcta aaagccggca ctaataatga tattaacttg 350
  
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<210> 10237
 <211> 564
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-A9

<400> 10237

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 ttccccata ccttccatca ggggggggtg cagtatgtng aaaaccagc tcttcaacca 180
 tataggcttc aacaagcaat cgcagcaagc aacatacctt tatcgccctt gttgtttcaa 240
 caatcaccag ccctatcttt ggtgcagtca ttggtacaaa ccatcagggc acaacagctg 300
 cagcaactcg tgctacctgt gatcaaccaa gtagctctgg caaacctttc tccctactct 360
 cagcaacaac aatttcttcc attcaaccaa ctgtctacac tgaaccctgc tgcttatttg 420
 cagcaacaac tattaccatt tagccagcta gctactgcct actctcagca acaacaactt 480
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<210> 10238
 <211> 352
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-B2

<400> 10238

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<210> 10239
<211> 403
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-B3

<400> 10239

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ctccagtcca tcctgcagca gcagccgcaa agcggccagg tcgcggggct gttggcggcg 180
cagatagcgc agcaactgac ggcgatgtgc ggctgcagc agccgactcc atgccccctac 240
gctgctgccc gcggtgtccc cactgaaga aactatgtgc ttagtatag ccgctggcta 300
gctagctagt tgagtcattt agcggcgatg attgagtaat aatgtgtcac gcacaccat 360
gggtggcagt gtcagtgtga gcaatgacct gaatgaacaa ttg 403

<210> 10240
<211> 323
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-B8

<400> 10240

cccccccccc ccccccccc cccccccnc cccccccnc ccccccccc ccccccccc 60
cccccccncc ccccccccc ccccncccc ccccccccc ccccccccc ccccccccc 120
cccccccncc ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc 180
cccccccncc ccccccccc ccccccccc ccccccccc ccccccccc cccnncccc 240
cccccccncc ccccccccc ccccccccc ccccncccc nnncccccc ccccccccc 300
cccccccncc cccnncccc ccc 323

<210> 10241
<211> 586
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-B9

<400> 10241

gccaggntcc catgttacgg tcaaccctgg tgaggttggt tctcttgggg cagctgtgca 60
gggcgggggt ttggcaggag agtgaaagag tcgttcttct ggatgttact ccattatctc 120
ttggtttgga gacattgggt ggagtgatga caaagattat cccaggaat accacactgc 180
caacctcaaa atcggaggta ttctcaacag ctgcagatgg acagacgagc gttgagatta 240
atgttctcca gggagaaaga gaggtttgta gggacaacaa gtcccttga agcttccgggt 300
tggacggaat cctcctgca cctcgtggtg tcccacaaat tgaagtgaag tttgatattg 360
atgcaaattg tatcctctca gttgctgcca ttgataaggg cactggaaag aaacaggaca 420
tcaccatcac tgggtgtagt acgctaccta aggatgaggt tgagagaatg gtagaagaag 480
ccgataagtt tgccaaggag gacaaagaga agagagatgc aatcgacacc aaaaaccagg 540
cggactcagt ggtctaccag actgagaagc aactgaagga gcttgg 586

<210> 10242

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C1

<400> 10242

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tctcgtcgtg tgcttggtc tgctcagctgc cagcgccctc gcaatgcaga tgccctgccc 120
ctgcgcgggg ctgcagggt tgtacggcgc tggcgccggc ctgacgacga tgatgggcgc 180
cggcgggctg taccctacg cggagtacct gaggcagccg cagtgcagcc cgctggcggc 240
ggcgccctac tacgcgggt gtgggcagcc gagcgccatg ttccagccgc tccggcaaca 300
gtgctgccag cagcagatga ggatgatgga cgtgcagtc gtcgcgcagc agctgcagat 360
gatgatgcag cttgagcgtg ccgctgccgc cagcagcagc ctgtacgagc cagctctgat 420
gcagcagcag cagcagctgc tggcagccca gggctctaac cccatggcca tgatgatggc 480
gcagaacatg ccggccatgg gtggactcta ccagtaccag ctgccagct accgcaccaa 540

cccctgtggc gtctccgctg ccattccgcc ctactactga ttcatga

587

<210> 10243

<211> 551

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C10

<400> 10243

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ggtcgccggn agcgccgacg accgtgatgc tgacggtgct cgctccccgc tgcccctgcc 120
ccggtgcccc atctgcgggg gggggggggc atccancacc tctgcatatg cggccaggaa 180
gcagtacgtg attctgcgta cagtcggtca tcatgcacgc tcgcatattc caacggcagg 240
cgaggcgcgc gacgcgatac cattgctgct gccgaacgag gcgcgcgcga tctgcgggag 300
cccgttgag gacctggccc tgagaaggca cggctcttga gttctaggga cgagggtccg 360
gagaggcggc gagcagtaat ggtggagcgg ctgcctcgct gtcactgctg cctctcgtgg 420
tcgtgggaag aaggcggccg ggtggaaggt caaggccgcc atccgatcag tgtggaacgg 480
ccggagaggt ggtagattga ttgggatatg ggttgctcagg agtggacatc gatgttcttg 540
gcgattgctt t 551

<210> 10244

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C11

<400> 10244

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cgcccgatg gagacggnac ttccctcctt cggcgctggc gctgccccgg cgagaaccag 120
ccggggaagg gaaaggagcg gcggtagccg gtaggtgtcc gctgttcttg acgcgcaagt 180
cggaccgtac ccgggggctt cgccggacgt cggcgctcgc acgccgagcg acgcgtgtga 240
ccgaagcggc ccacgcgcgc gcgcacagac aaaaataaaa ttaacttgtc ttctcgcccc 300

gatgatctct tcacctccgc gcaaggggat ggatgcggga tgcccaatct aaagtacccg 360
 ctctacatc cacgcacgca cacagacaaa acccttttat tattattact agtcggttgc 420
 ccgtgcgttg cgacgactta caacaatacc catgtaaact atccatg 467

<210> 10245
 <211> 601
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-C12

<400> 10245

attgaacaca gcacatagaa ggggggacca gtagcaacaa canagcaaca atggcgacca 60
 agatttttcc ctcttatgc tccttgctct ttctgcatgt gttgctaacg cgacaatttt 120
 ccctcaatgc tcacaagctc ctatagcttc ccttcttccc ccataccttg gtgggggata 180
 gcttcagtat gtgaaaaccc agctcttcag ccctataggc tccaacaagc aatcgagca 240
 agcaacatac ctttatcacc cttgttggtt caacaatcgc cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac 360
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
 caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc attcagccag 480
 ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
 aaccccgtg cttatttgca gcagcaaata ctactaccat ttagccagct agctgcagca 600
 a 601

<210> 10246
 <211> 591
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-C2

<400> 10246

gccgacacga gcggcgggna actccgacga gcttgccgtg gaggttctct gcccggtgtt 60
 ccgccccggc gcgtttggct catcgtcgtc acagccagca gcaaaggaca tcagctccac 120

cgctgctgctc accaagggtcg gagtgtgggg tggagaggga gggtcggcgc aggacatcgc 180
gacgacggag ccgccgaggc gtctgcagag cctgaccgtc cgcgccggcg ttgccgtgga 240
ctccatcgag ttcacctaca gtaccgacac aggtggtcag acgcgcaccg ctgggcgatg 300
gggtggactt ggcggaacg tccggaagct cgatcttggc gacgctgaat acgtcaagga 360
agtttctgga acgtacggcg cattcgaagg tgcgactacc cttacctcgt tcaggattgt 420
caccagcacc gccagagctt gggggccatg gggcatcgag agcggcacac gtttctgcat 480
caccgcgcc atcggcagca gcacgtggg attctatgga cgcgcgacga ccaggctcgt 540
cgctgcgatc ggtgtctacc tgcgccaact ttagtctggg ttcagcagca g 591

<210> 10247

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C3

<400> 10247

tagaagtggg aaccagtagc aacaacagga gcacaatggc gaccaagnaa ttttccctcc 60
ttatgctcct tgctctttct gcatgtgttg ctaacgcgac aattttccct caatgctcac 120
aagctcctat agcttccctt cttcccccat accttccatc aatgatagct tcagtatgtg 180
aaaaccagc tcttcagccc tataggctcc aacaagcaat cgcagcaagc aacatacctt 240
tatcaccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca ttggtacaaa 300
ccatcagggc acagcagctg cagcaactcg tgctacctgt gatcaaccaa gtagctctgg 360
caaacccttc tccctactct cagcaacaac aatttcttcc attcaaccaa ctgtctacac 420
tgaaccctgc tgcttatttg cagcaacaac tattaccatt cagccagcta gctactgcct 480
actctcagca acaacaactt cttccattta accaattggc cgcactgaac cccgctgctt 540
atttgcagca gcaaatacta ctaccattta gccagctagc tgcagcaaac cgtgcttcc 600
tct 603

<210> 10248

<211> 233

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-C4

<400> 10248

gnattatagt tcaataataa atctaaaaga gtcaccacca atgatgggtt gttggtagaa 60
cgctgctggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag 120
ggtgccagcg ttaggcgcag cgtgctggta gaacggcacc aactgtgggt gtatgggggg 180
ggggggaggg ctcacaccac cttgctgggt gaatggttnt agttgttgct gct 233

<210> 10249

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-C5

<400> 10249

gcgctctgca cgctcctccc atggcgccga cgtcgaagct gtcgatgggc atcaagcgcg 60
cgtcgcggtc gcacgcgtac caccgccgtg ggctctgggc catcaaggcc aagaacggcg 120
gcgctcttccc caagccgaga agcccgcgc gcgcgcggaa cccaagttct accccgccga 180
cgacgtcaag cctcgcgttc ccagcaccgc caagcctaatt cccaccaagc tcaggtcgag 240
catcacgcct gggacggtgc tgatcctcct cgcggggcgc ttcattggga agagagtgg 300
gttcttcaag cagctcaact ccggcctgct cctcgtctct ggtccattca agatcaatgg 360
agtaccgatc cgtcgtgtca accagacctt tgcattgct acatcaacca aggttgacat 420
ctctggtggt gatgtcgcga agtttgatga caagtacttt gccagggaga aaaagcagaa 480
ggtgaagaag acggaggggt agctttttga gacagagaag gaggcgtcca agtctctgcc 540
tgatttcaaa aaggatgacc agaaggccgt ggatgctgct ctgata 586

<210> 10250

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C7

<400> 10250

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaannaa aaaaaaCCaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg 180
 ggcccccccg gggggggggg ggggtaaacc cccccgcggg ggaagaaaaa aaccttttaa 240
 ggggggcccc aaaaaaaaaa aagggggggc ggggtaaaaa accggggggg ggggaaaaac 300
 ccggggggcc ccaaaaaaaa agcgtgggaa aaaaaacccc tttggccagg ggggggaaaa 360
 aagaaaaggg gccnccccg gggccccctc aaaaaggtgg gccccccaa aggggaaagg 420
 ggaccccccc ttaacgggcc aaaaaaCCCC ggggnngggg gggggcccc cggggggggc 480
 cgttaacttg ggagggggcc aagggccggg ggnttggggg tttccccctt cttttttggc 540
 cccggggggg ggggtgtccc ccgggggaagt caaaaagggg ggggccccct aagggggcac 600
 aaaa 604

<210> 10251
 <211> 611
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-C8
 <400> 10251

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 cccgccaatc gctcngatga aaaatctaaa ccaaaacccct cagcgttttc atgggttccg 120
 gagggatttt atgttggtaa ggtgttgtgc ggtgtgatct ccaattccct attgctgatg 180
 tcttactcca tcatgacctt agggaaggat gttttcctct aaattactcg taataattat 240
 gcttggtgta tgtgttggtt tagctacttg atgaaatggt ttagtttgtg gcgataatat 300
 ggttgccggt cgagtggaaa gtagatgtgt tgtatgacct gagttggagt tgaagcaagt 360
 atgtgtgtct cgtattacga aactaattag agatatgcat gatgtttgta gatggattat 420
 gtgtagagtg ttttagtaca agtatttttt taggtatagt tgaaccaatt attgtatatg 480
 aattgtgcga tatcaagggt gttctaattgt tcttttaaca tcttgctaata aaggtgttag 540
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tattgatgtt t

611

<210> 10252

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-D1

<400> 10252

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ctccttggtc tttctgcaag tgctgctacg gcgaccattt tcccgcaatg ctcgcaagct 120
cctatagctt cccttcttcc cccgtacctc tcaccagcgg tgtcttcggt atgtgaaaac 180
ccaattcttc aaccctacag gatccaacag gcaatcacag ctggcatctt acctttatca 240
cccttggtcc tccaacaatc atcagcccta ttacatcagt tacctttggt gcatttattg 300
gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaact tgctgcctac 360
tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat 420
ttgcaacaac aacaactacc attcagccag ctacctgctg cctaccccca gcaatttctt 480
ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca acaactacta 540
ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc acagttgttg 600
ccg 603

<210> 10253

<211> 514

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-D10

<400> 10253

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cccccccccc cccccccnc cccccccnc ccccccccc ccccccccc ccccccccc 180
ccccccccc ccccccccc ccccccccc ccccccccg ncccccccc ccccccccc 240

cccccccccc cccccccccc cccccccccc nccccccccc cccccccccc nccccccccc 300
 cgcccccccc cccccccccc cccccccccc gccccccccc cccccccccc cccccccccc 360
 cccccccccc cccccccccc cccccccccc cennceggcc cccccccccc cccccccccc 420
 cccccccccc cccccccccc cccccccccc cccccccccc cccccccccc ccccgccccc 480
 cccccccccc cccccccccc cccccccccc caac 514

<210> 10254

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-D11

<400> 10254

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 ttgcaacaga ttgtaccagc tctaactcag ctagctgtgg caaacctgtg tgcctacttg 120
 caacagctgc ttccattcaa ccaactaact atgtcgaact ctgttgcggg cgggcgacag 180
 cgacaacagt tacttaatcc attggcagtg gctaaccatc tggtcgctgc cttcctacag 240
 cagcaacaat tgctgccata caaccggttc tctttgatga atcctgtctt gtcgaggcag 300
 caaccatcgc ttggagggtgc catcttttag attacatatg agatgtactc gataatgggtg 360
 ccctcatacc ggcattgtgt tcttagaaat aatcaatata ttggttgaga tttatctcg 419

<210> 10255

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-D12

<400> 10255

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 agacaggcgg ctgcagctgt ggtcaacaac aaagccatga gcagcagcgt gggggcacia 180
 caacatcatc caaaaaaca acaacatcaa ccaccaccac aacatcacca gcagcagcaa 240
 caccaacaac aacaagttca catgcaacca caaaaacatc agcaacaaca agaagttcat 300

gttcaacaac aacaacaaca accgcagcac caccaccaac aacaacaaca acagcaccaa 360
 caacaacatc aatgtgaagg ccaacaacaa catcaccaac aatcacaagg ccatgtgcaa 420
 caacacgaac agagccatga gcaacaccaa ggacagagcc atgagcaaca acatcaacaa 480
 caattccagg gtcatgacaa gcagcaacaa ccacaacagc ctgagcaata tcagcagggc 540
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 agc 603

<210> 10256
 <211> 591
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-D3

<400> 10256

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 cgggcaccat tttcccgcaa tgctcgcaag ctcttatagc ttcccttctt ccccgctacc 120
 tctcaccagc ggtgtcttcg gtatgtgaaa acccaattct tcaaccctac aggatccaac 180
 aggcaatcac agctggcatc ttacctttat cacccttggt cctccaacaa tcattcagccc 240
 tattacatca gttacctttg gtgcatttat tggcacaaaa catcagggca caacaactac 300
 aacaacttgt gctagcaaac cttgtctgct actctcagca acagcagttt cttccattca 360
 accaactagc tgcattgaac tctgcttctt atttgcaaca acaacaacta ccattcagcc 420
 agctacctgc tgcctacccc cagcaatttc ttccattcaa ccaactggca gcattgaact 480
 ctctgctta tttacagcag caacaactac taccattcag ccagctagct ggtgtgagcc 540
 ctgctacctt cttgacacaa ccacagttgt tgccgttcta ccagcacggt g 591

<210> 10257
 <211> 606
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-D4

<400> 10257

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 ctactctcag caacagcagt tacctttggg gcatttggtg gcacaaaaca tcagggcaca 120
 acaactacaa caactcgtgc tagcaaacct tgctgcctac tctcagcaac aacagtttct 180
 gccattcaac caactagctg cattgaactc tgctgcttat ttgcagcaac aacaactact 240
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 agcattgaac tctcatgctt atgtacaaca acaacaacta ctaccattca gccagctagc 360
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 tgcgcctaac gttggcacc ctttacaact gcaacaattg ctgccattcg accaacttgc 480
 tttgacaaac ccagcagtggt tctaccaaca acccatcatt ggtgggtgcc tcttttagat 540
 tgcttatgag ttatagttca ataataaagt tttttttgct gaaaaaaaaa naaaaaaggg 600
 cggccg 606

<210> 10258

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-D7

<400> 10258

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 tccacaatgc tcaattgctc ctagtgccat tataccacag ttctccgac cagttacttc 180
 aatgggcttc gaacacctag ctgtgcaagc ctacaggcta caacaagcgc ttgcggcgag 240
 cgtcttataa caaccaatta accaattgca acaacaatcc ttggcacatc taaccataca 300
 aaccatcgca acacaacagc aacaacagtt cctaccagca ctgagccaac tagatgtggg 360
 gaacctgtc gcctacttgc aacagcaggt gcttgcatcc aacctacttg ctctggcaaa 420
 cgtagctgca taccaacaac aacaacaatt gcaacagttt ctgccagcgc tcagtcaact 480
 agccatgggtg aacctgccc cctacctaca acagcaacaa ctgctttcat ctagccctct 540
 cgttggtgggt aatgcaccta catacctgca acaacaattg ctgcaacaga ttgtaccagc 600
 tctgactc 608

<210> 10259
 <211> 152
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-D8

 <400> 10259

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 tgccacttgt gactagagat gtctcacacc ggcactgctg ccagcctgat acgactgtta 120
 ggtggcttaa gccctcactg attgttactt at 152

<210> 10260
 <211> 609
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-D9

 <400> 10260

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 cagcaacaac aagaagttca tgttcaacaa caacaacaac aaccgcagca ccaccaccaa 120
 caacaacaac aacagcacca acaacaacat caatgtgaag gccacaaca acatcaccaa 180
 caatcacaag gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc 240
 catgagcaac aacatcaaca acaattccag ggtcatgaca agcagcaaca accacaacag 300
 cctcagcaat atcagcaggg ccagnaaaa atcacaacag caacaatgtc attgccagga 360
 gcagcaacag actacaaggt gcagctataa ctactatagc agtagctcaa atctaaaaaa 420
 ttgtcatgaa ttcctaaggc agcagtgcag ccctttggta atgccttttc tccaatcacg 480
 tttgatacaa ccaagtagct gccaggtatt gcagcaacaa tggtgtcatg atcttaggca 540
 gattgagcca caatacatte accaagcaat ctacaacatg gttcaatcca taatccagga 600
 ggagcaaca 609

<210> 10261
 <211> 585
 <212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-E1
<400> 10261

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aattttccat ccttatgctc cttgctcttt ctgcatgtgt tgctaacgcg accatttttc 120
ctcaatactc acaagctcct atagctgccc ttcttcccc atacctcca tcaatgaecg 180
cttcagtttg tgaaaaccca gcccttcaac cctacaggct ccaacaagca atcgcaacaa 240
gcaacttacc tttatcacc ctgttctttc aacaatcgcc agccctatct ttggtgcagt 300
cattggtaca aaccatcagg gcacaacagc tgcaacaact cgtgctacca gtgatcagcc 360
aagtagctct ggcaaacctt tctccctact ctgagcaaca acaatttctt ccattcaacc 420
aactgtctac actgaaccct gctgcttatt tacaacaaca acaactacta ccattcagcc 480
agctagctac tgctactct cagcagcaac aatttcttcc atttaaccaa ttggccgcac 540
tgaaccctc tgcttatttc cagcagcaaa tactactacc atttg 585

<210> 10262
<211> 592
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-E10

<400> 10262

gccgcttgcc ggctaccaga aaaagggcgg gcggcgggcg gcggctaggc gtgccgctgg 60
ccttctccct ctctcctat cctcgcggtc cgggtgctcg ataccctcc accgggctgt 120
atcccagatc cctccgcctt gctcctatcg cctactctcg cagcaagcca agcgccgggg 180
gcggctctgc ctctgcctct gcctcagcct ccgcgtcgaa tggcgcgacc gcggaaagaa 240
cccgtgagct gcactgtac aacacgaagt cgcggaagaa ggagcagttt cggccgcgcg 300
atccaggcgg ggaggtcggc atgtacgtct gcggcatcac tccctacgac gacagtcaca 360
tcggccatgc ccgcgcatac gtagcctttg acgtcgtcta cagggtacttg cgctatttgg 420
actatgaagt tcgctatgtt cggaacttca ccgacattga tgacaagata atcgcaagag 480
caaatcagct gggggaagat ccttttaact taagtataag gttctctgat gaattcttgg 540

tagacatggc caatcttcaa tgtttaccac catctgtgga gccccgtgtt tc 592

<210> 10263

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-E4

<400> 10263

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tttgctcct tatgctcctt ggtctttctg caagtgtgc tacggcgacc attttcccg 120
aatgctcgca agctcctata gcttcccttc tcccccgta cctctcacca gcggtgtctt 180
cgggtgtgtga aaaccaatt cttcaacct acaggatcca acaggcaatc acagctggca 240
tcttaccttt atcacccttg ttctccaac aatcatcagc cctattacat cagttacctt 300
tggtgcattt attggcaca aacatcaggg cacaacaact acaacaactt gtgctagcaa 360
acctgtgtgc ctactctcag caacagcagt ttcttcatt caaccaacta gctgcattga 420
actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct gctgcctacc 480
cccagcaatt tcttcattc aaccaactgg cagcattgaa ctctcctgct tatttacagc 540
agcaacaact actaccattc agccagctag ctggtgtgag ccctgctacc tt 592

<210> 10264

<211> 588

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-E5

<400> 10264

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gccacctcca cgcatacaag cggcggctgc ggctgccagc caccgccgcc ggttcattca 120
ccgccgccgg tgcattctgc acctccggtt cactgccac ctccggtgca tctcccaccg 180
gggtccacc tgccgccgcc ggtccacctg ccaccgccgg tccatgtgcc gccgccggtt 240
catctgccgc cgccaccatg cactaccct actcaaccgc cccggcctca gcctcatccc 300

cagccacacc catgcccgtg ccaacagccg catccaagcc cgtgccagct gcagggaacc 360
 tgcggcggttg gcagcaccac gatcctgggc cagtgcgtcg agtttctgag gcatcagtg 420
 agcccgacgg cgacgcccta ctgctgcct cagtgccagt cgttgccgca gcagtgttg 480
 cagcagctca ggcaggtgga gccgcagcac cgggtaccagg cgatcttcgg cttggtcctc 540
 cagtccatcc tgcagcagca gccgcaaagc ggccaggctg cggggctg 588

<210> 10265

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-E6

<400> 10265

accatccana cagcaaacgg caggcgtgag aggacgtcga cagaacacat gaagagggtca 60
 tegtctctgt cgtgtgcctg gctctgtcag ctgccagcgc ctctgcaatg cagatgccct 120
 gccctgcgc ggggctgcag ggcttgtag gcgctggcgc cggcctgacg acgatgatgg 180
 ggcgcggcgg gctgtacccc tacgcggagt acctgaggca gccgcagtgc agcccgctgg 240
 cggcggcgcc ctactacgcc ggggtgtggc agacgagcgc catgtaccag ccgctccggc 300
 aacagtgtg ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc 360
 agatgatgat gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc 420
 tgatgcagca gcagcagcag ctgctggcag cccaggggtct caaccccatg gccatgatga 480
 tggcgcagaa catgccggcc atgggtggac tctaccagta ccagtaccag ctgccagct 540
 accgcaccaa cccctgtggc gtctccgctg ccattccgcc ctactactga ttcatt 595

<210> 10266

<211> 590

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-E7

<400> 10266

gtggnaatcc agtagcaaca acaggagcag cagggcgacc aagnaatttt cctccttat 60

gtccttget ctttctgcat gtgttgctaa cgcgacaatt ttccctcaat gtcacaagc 120
 tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag tatgtgaaaa 180
 cccagctctt cagccctata ggctccaaca agcaatcgca gcaagcaaca tacctttatc 240
 acccttggtg tttcaacaat cgccagccct atctttggtg cagtcattgg taaaaacat 300
 cagggcacag cagctgcagc aactcgtgct acctgtgatc aaccaagtag ctctggcaaa 360
 ctttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt ctacactgaa 420
 ccctgctgct tatttgagc aacaactatt accattcagc cagctagcta ctgcctactc 480
 tcagcaacaa caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt 540
 gcagcagcaa atactactac catttagcca gctagctgca gcaaaccgtg 590

<210> 10267
 <211> 512
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-E9

 <400> 10267

gccaaaacan cacacaaaca caagacaccc agccnaact gcaagtgtg ctaccgcaac 60
 acaaaccgcc acaatgctca caaactccac aagcaccct cctaccccca tacctctgac 120
 cagcggcgca acaacaatgc gaaggggggg ggggtccaacc ccacaagatc caacaggccc 180
 acgcacaaca cctctgacct tgaccacccc agcaccttca acaaccgtca ccctacaac 240
 acaagcaaca ccaaccgcat cagcctgaca caaaacatca aggcaaca acaacaacaa 300
 ctcgacctag gaaacctcgc tacctactac caactacaac aggcacctac atccaaccaa 360
 ccagctgcac aaaactctga agcttattga caacaacaac caccattcaa nccctagcta 420
 atgcctaccc cccaaaacgc ttgcaacaaa ccaactggca gcatggaact cagctgcaaa 480
 gttacaacaa tatcaggtac cagcatccac ac 512

<210> 10268
 <211> 615
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-F10

<400> 10268

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tattaaaaac tgcaagataa accattctgt agttggactc cgatcttgca tatctgaagg 120
tgctatcata gaggacagtt tactaatggg tgcggactac tatgagacag aagctgatgg 180
gagagagctc cttgccgaaa aagtggcatt cctattggta ttgggaaaaa ttcattgcatc 240
aggagagcaa tcattgacaa gaatgctcga attggagaca atgttaagat actcaatgct 300
gacaatgttc aagaagctgc aaggggagaca gacgggtact tcatcaaagg tggaattgtc 360
acagtgatca aggatgcttt actccctagt ggaacagtta tatgaagtga acgtgcgaca 420
tgcagctgtg tgtctcgaca ttcgacaatg atcagcacct ggttacatgc gtgatctgca 480
gatcagtctg ttggagatca tcggagcaat aaaagtgtca tccaaggcat tttttctttc 540
tttttgcctt tttgtgtcct tcaatgttgt agggtagaat gttgtagcag caaatgttag 600
ttacatgttg aatcg 615

<210> 10269

<211> 599

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F11

<400> 10269

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caatgtattc ttacctcaga gcttgtcctg aaactcttca ttctcaaaca cagtcctcta 120
ggaaaaatat gctgatgcaa accgtgtatc tgctatcatt ttgggcgggg ggggggggtg 180
gtcagctctt tcctctgaca agcacaagag ctacgcctgc tgtacctgtt ggaggatgtt 240
acaggcttat tgatatccct atgagtaact gtttcaacag tggatataaat aagatatttg 300
tgatgagtca gttcaattct acttcgttta accgccatat tcatcgtaca taccttgaag 360
gcgggatcaa ctttgctgat ggatctgtac aggtattagc ggctacacaa atgcctgaag 420
agccagctgg atgggtccag ggtacagcag actctatcag aaaatttata tgggtactcg 480
aggattatta cagtcacaaa tccattgaca acattgtaat cttgagtggc gatcagcttt 540

atcggatgaa ttacatggaa cttgtgcaga aacatgtcga ggacgatgct gatatcact 599

<210> 10270

<211> 602

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F12

<400> 10270

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tccttatgct ccttgggtctt tctgcaagtg ctgctacggc gaccattttc ccgcaatgct 120
cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcggggg 180
gggaaaaccc aattcttcaa cctacagga tccaacaggc aatcgagct ggcatcttac 240
ctttatcacc cttgttctc caacaatcat cagccctatt acaacagtta cctttgggtgc 300
atttattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actaggttca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcagccagct acctgctgcc tacccccagc 480
aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac 600
ag 602

<210> 10271

<211> 511

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-F2

<400> 10271

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cagtttcttc cattcaacca actaggttca ttgaactctg cttcttattt gcaacaacaa 120
caactaccat tcagccagct acctgctgcc tacccccagc aatttcttcc attcaaccaa 180
ctagcagcat tgaactctcc tgcttattta cagcagcaac aactactacc attcagccag 240

ctagctggtg tgagccctgc taccttcttg acacaaccac agttgttgcc gttctaccag 300
cacgttgcg ctaacgctgg caccctctta caactgcaac aattgctgcc attcaaccaa 360
cttgctttga caaaccacgc agtggttctac caacaacca tcattggtgg tgccctcttt 420
tagatttctt atgagttata gttcaataat aaagtttttt atctgatgtt tgtggcttcc 480
cagaaataag aaagtacatt tctagattct t 511

<210> 10272

<211> 588

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F3

<400> 10272

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aagtagtagg catggcgag gcagaggccc atggcatcgt catcgctggc ggtggcatct 120
gcggcctagc caccgctctt gctcttcacc ggaaagggat tcttagcctt gtgttgagga 180
agtcaggag cctgcgagcg gacggcgcg gcatcgcggt gcacgccaac ggatggcgag 240
ctttggagca gcttggcgtc gccgcggagc ttagagagac tgcacagctt atcaccgtgt 300
accatgacgt gtggcagcag ggagacaaaa cgagccggga aaagggtcca gtaaggatgg 360
agctccgatg cttaaacaga aaggacctga tcgaggcact ggccaaggac atccctgcag 420
gcgcgatccg attcggctgc cgcgtcgctg ccgtcgctgc ggaccctggc ggcggtcacg 480
gcgccgtcct gacaatggcg gacggtactg ccatgaaggc caaggctctg atcgggtgcg 540
agggcacata ctccgcggtg gccaggtacc ttgggctgtc tccggtga 588

<210> 10273

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F4

<400> 10273

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tctttctgca agtgctgcta cggcgacccat tttcccacaa tgctcacaag ctcttatagc 120
 ttcccttctt ccccggtacc tctcaccagc ggtgtcttcg gtatgtgaaa acccaattct 180
 tcaaccctat aggatccaac aggcaatcgc agctggcatc ttacctttat cacccttggt 240
 cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat tggcacaata 300
 catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct actctcagca 360
 acaacagttt cttccattca accaactagc tgcattgaac tctgcttctt atttgcaaca 420
 acaacaacta ccattcagcc agctatctgc tgcctacccc cagcaatttc ttccattcaa 480
 ccaactgaca gctttgaact ctctgctta tttacagcag caacaactac taccattcag 540
 ccagctagct ggtgtgagcc ctgctacctt cttgacacaa ccacaattgt tgccgttcta 600

<210> 10274

<211> 510

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-F5

<400> 10274

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 tgcaagtgt gctacggcga ccattttccc acaatgctca caagctccta tagcttccct 120
 tcttcccccg tacctctcac caacggtgtc ttcggtatgt gaaaacccaa ttcttcaacc 180
 ctacaggatc caacaggcaa tcgcagctgg catcttacct ttatcacctc tgttctctca 240
 acaatcatca gccctattac agcagttacc tttggtgcat ttattggcac aaaacatcag 300
 ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcctactctc agcaacagca 360
 gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc aacaacaaca 420
 actaccattc agccagctat ctgctgcta cccccagcaa tttcttccat tcaaccaact 480
 gacagcattg aactcttctg cttatttaca 510

<210> 10275

<211> 507

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F6

<400> 10275

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gccgcaagat ccacgtctcc atcaagcaag agacctcgcg cgtcctgggc aacctcgcgt 120
gggcgtacat gcagcagcgc aacttcatgg cggcggaggt ggtgtaccgg aaggcgcaga 180
tgatcgaccc ggacgccaac aaggcgtgca acctcgcgct ctgcctcatc gagcaggccc 240
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agacgtggca gggcggcggc ggcgtcggtc gacgacgccg ggacgagagc gacgacgacg 420
acgacgactg ggttgagaac cagatgctgg ctctgctgga cgtggcgggtg ccgtaccgga 480
agaccagcag gaggtgccc gtcttcg 507

<210> 10276

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F7

<400> 10276

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ccgtcagccc tattacagca gttacctttg gtgcatttgt tggcacaaaa catcaaggca 120
caacaactac aacaacttgt gctaggaaac cttgctgcct actctcagca acagcagttt 180
gtgccattca accaactggc tgcattgaac tctgctgctt atttgcaaca acaactacca 240
ttcagtcagc tagctgctgc ctacccccag caatttcttc cattcaacca actggcagca 300
ttgaactctg ctgcttattt acaacagcaa cagctaccac cattcagcca gctagctgat 360
gtgagccctg ttgccttctt gacacaacaa cagttgttgc cgttctacct gcacgctgcg 420
cctaacgctg gcacctctt acaactgcaa caattgctgc cattcaacca acttgctttg 480
acaaacccaa caacgttcta ccaacaaccc atcattggcg gtgccctctt ttagattgct 540
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<210> 10277

<211> 599
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-F8

<400> 10277

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ttccacaatg ctcaattgct cctagtgcc aatttccaca gttcctccca ccagttactt 180
gagtgggctt cgaacaccta gctgtgcaag cctacatgct acaacaagcg cttgctggcga 240
gcgtcttaca acaaccaatt gaccaattgc aacaacaatc cttggcacat ctaaccatac 300
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tgaaccctat cgcctacttg caatagcaga tgcttgcatc caaccactt gctctggcaa 420
acgtagctac ataccaacaa caacaattgc aacagtttct accagcgctt agtcaactag 480
ccatggtgaa ccctgccgcc tacctacaac agcaacaact gctttcatct agccctctcg 540
ctatggttaa tgcacctaca tacctgcaac aacagttggt gcaacagatt gtaccagct 599

<210> 10278
<211> 595
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-F9

<400> 10278

gcaacatagn aaagcacaat agtgtaccaa caatggcagc caaaaatttt gtttccttat 60
gtccttggt ctttctgcaa gtgctgtac cgcaaccatt ttcccacaat gtcacaagc 120
tctatagct tctttcttc cccatacct ctaccagcg gtgtcttcag tatgtgaaaa 180
cccaattctt caaccctaca ggatccaaca ggcaatcgca gcaggcatct tacctttatc 240
acccttggtc ctccaacaac cgtcagccct attacagcag ttacctttgg tgcatttggt 300
ggcacaaaac atcaaggcac aacaactaca acaacttggt ctaggaaacc ttgctgcta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactggct gcattgaact ctgctgctta 420

tttgcaacaa caactaccat tcagtcagct agctgctgcc tccccccagc aattttcttcc 480
attcaaccaa ctggcagcat tgaactctgc tgcttattta caacagcaac agctaccacc 540
attcagccag ctagctgatg tgagccctgt tgccttcttg acacaacaac agttg 595

<210> 10279
<211> 594
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G10

<400> 10279

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tgctcgcaag ctctatagc ttcccttctt cccccgtacc tctcaccagc ggggggtggg 180
gggtgtgaaa acccaattct tcaaccctac aggatccaac aggcaatcac agctggcatc 240
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gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
cttgctgcct actctcagca acagcagttt cttccattca accaactagc tgcattgaac 420
tctgcttctt atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc 480
cagcaatttc ttccattcaa ccaactggca gcattgaact ctctgctta tttacagcag 540
caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttg 594

<210> 10280
<211> 595
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G12

<400> 10280

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cagcaacaag cactgagcca cctagccgtg gtgaacccta tcgctactt gcaacagcgg 180
ggggttgcat ccaaccact tgctttggca aacgtagctg cataccaaca acaacaacag 240

ttgcaacagt ttctgccagc gctcagtcaa ctagccatgg tgaacctat cgcctaccta 300
 caacagcaac aacttctttc atctagcccg ctgcgtatgg gcaatgcacc tacatacctg 360
 caacaacagt tgttgcaaca acagttgctg caacaaattg taccagctct tactcagcta 420
 gctgtggcaa accctgctgc ctacttgcaa caactacttc cattcaacca actgactgtg 480
 tcgaactctg ctgogtacct acaacagcga caacagttac ttaatccact agcgggtggct 540
 aaccattgg tcgctgcctt cctacagcag caacaattgc tgccatacaa ccagt 595

<210> 10281

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-G2

<400> 10281

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 aaaatttttc catccttatg ctcttgctc tttctgcatg tgttgctaac gcgaccattt 120
 ttcctcaata ctcaaaagct cctatagctg cccttcttcc cccatacctt ccatcaatga 180
 ccgcttcagt ttgtgaaaac ccagcccttc aaccctacag gctccaacaa gcaatcgcaa 240
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 agtcattggt acaaaccatc agggcacaac agctgcaaca actcgtgcta ccagtgatca 360
 gccaaagtagc tctggcaaac ctttctccct actctcagca acaacaattt cttccattca 420
 accaactgtc tactctgaac cctgctgctt atttacaaca acaacaacta ctaccattca 480
 gccagctagc tactgcctac tctcagcagc aacaatttct tccatttaac caattggccg 540
 cactgaaccc ctctgcttat tt 562

<210> 10282

<211> 586

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-G3

<400> 10282

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 tttccctcaa tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat 180
 tatagcttca gtatgtgaaa acccagctct tcaaccatat aggcttcaac aagcaatcgc 240
 agcaagcaac atacctttat cgcccttggt gtttcaacaa tcaccagccc tatctttggt 300
 gcagtcattg gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat 360
 caaccaagta gctctggcaa acccttctcc ctactctcag caacaacaat ttcttccatt 420
 caaccaactg tctacactga accctgctgc ttatttgag caacaactat taccatttag 480
 ccagctagct actgcctact ctacagcaaca acaacttctt ccatttaacc aattggccgc 540
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<210> 10283

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G4

<400> 10283

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 atctgcgctc aaagatgtca ttgctgattt ctcccttgcg ctctatgaat cttacaaggc 180
 caggcaggaa catgcatcca gagaacaaga acgagtgatca cagctcatgg aaaatctaga 240
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 caaaagaaag gctacaaagc caaagcttgt gactgataag tttccaagtg tgcggggtgc 360
 acctccaagc tctgatcaaa tgattgttgc tgtacagcag caaacaccag tggctttacc 420
 tagcaaagtt cctcctgcta aaggtagcga gcgcgtggcc cctttgcctc ggagggcaag 480
 agtacgagga gctttgttgc aagatactga agaaaatgct gatgataata cttagatatt 540
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a

601

<210> 10284

<211> 566
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G5

<400> 10284

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ttccattcaa ccaactgtct aactgaacc ctgctgctta tttgcagcaa caactattac 180
catttagcca gctagctact gcctactctc agcaacaaca acttcttcca tttaaccaat 240
tggccgcact gaaccccgct gcttatttgc agcagcaaact actactacca tttagccagc 300
tagctgcagc aaaccgtgct tccttcttga cacagcaaca gttgctgcct ttctaccagc 360
agtttgcggc taaccccgca accctcttac aactacaaca attggtgccc tttgtccaac 420
ttgctttgac agaccagcg gcctcctacc aacaacacat cattggtggg gccctctttt 480
agattgctta ttagttgtaa ttcaataata aagttttttg gatgatgtat gtggccaacc 540
agaaataaga agttacattt ccagaa 566
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<210> 10285
<211> 587
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-G6

<400> 10285

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atattttcca tccttatgct ccttgctctt tctgcatgtg ttgctaacgc gaccattttt 120
cctcaatact cacaagctcc tatagctgcc cttcttcccc cataccttcc atcaatgacc 180
gcttcagttt gtgaaaacc agcccttcaa ccctacaggc tccaacaagc aatcgcaaca 240
agcaacttac ctttatcacc cctgttcttt caacaatgcg cagccctatc tttggtgcag 300
tcattggtac aaaccatcag ggcacaacag ctgcaacaac tcgtgctacc agtgatcagc 360
caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
caactgtcta cactgaaccc tgctgcttat ttacaacaac aacaactact accattcagc 480
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cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 540
 ctgaaccctt ctgcttattt ccagcagcaa atactactac catttgg 587

<210> 10286

<211> 598

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G7

<400> 10286

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 ccaagaaatc catcgagagg ccgtcgacag ggaattaat ggcgtcgtcg tctagcagca 120
 gccaccgccc cctcatcctc gcagccgccc tctgctctc cgtgctcgcg gctgccagcg 180
 ccagcgcggg gacctcctgc gtgcccgggt gggccatccc gcacaacccc ctcccagagt 240
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 tgaagaggag atgctgccgg gagctggcgg acatcccggc gtactgccgg tgcacggcgc 360
 tgagcatcct catggacggc gcgatcccgc cgggcccgga cgcgcagctg gagggccgcc 420
 tagaggacct gccgggctgc ccgcccggagg tgcagagggg attcgccgcc accctcgtca 480
 cggaggccga gtgcaacctg gccaccatca gggcgctcgc cgaatgcccc tggattctcg 540
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<210> 10287

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G8

<400> 10287

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 cctccttgcg cttcttgccc tttttgtgag cgcaacaaat gcgttcatta ttccacaatg 120
 ctcacttgct cctagtgccā ttattccaca gttcctccca ccagttactt caatgggggg 180
 gggagcacct agctgtgcaa gccaacatgc aacaacaagc gcttgccggc agcgtcttac 240
 aacaaccaat tgcccattg caacaacaat ccttgccaca tctaacaata caagccatca 300

caacgcaaca gcaacaacag ttcctaccag cactgagcca cctagccatg gtgaaccctg 360
 ccgcctactt gcaagagcag ctgcttgcac ccaaccact tgctctggcg aacgtagttg 420
 caaaccagca acaacaacag ctacaacagt ttctgccaac gtcagtcac ctagccatgg 480
 tgaaccctgc cgcctacgta caacaacaac aactgctttc atctagcccg ctgctgtgtg 540
 gcaatgcacc tacatacctg 560

<210> 10288

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-G9

<400> 10288

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 ttttgcttcc ttatgctcct tggcttttct gcaagtgttg ctaccgcaac cattttccca 120
 caatgctcac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
 tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240
 atcttaccat tatcaccctt gttcctccaa caaccgtcag ccttattaca gcagttacct 300
 ttggtccatn tgggtggcaca aaacatcagg gcacaacaac tataacaaac tgtgctagca 360
 aaccttgctg catactctca gcaacatcag tttcttttcat tcaaccaact ggctgcattg 420
 aactctgctg cttatttgca acaacattac ca 452

<210> 10289

<211> 126

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-H3

<400> 10289

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 gcccgcttta caatgcgatg aggactgaaa gtgctttgaa gtttgggtgg tttttcttgt 120
 ttacc 126

<210> 10290
<211> 551
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-H5

<400> 10290

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gagaggggga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaag ggggggccccg ctctaaaaga accaaaccta acgtccccgg 180
ccatgcaacg aaaaaccttt cttaaagggc aaccaaaggg ggggaggggc ccccttttta 240
aaaacgcgga aacgggaaaa acccgggcgt aaccaaacta aatgccctgg aaaaaaaccc 300
ccctttccca agtgggggaa aaaccaaaaa ggccccaccc aatccccctt ccaaaaagt 360
gccaacccta aaggggcaaag ggaaccccc ctgaaccggg ccataaagcg cgcggggggg 420
gggggtaacc ccaaggggac ccgtaaaatt ggcaaggccc caagcccccg ctctttgggt 480
ttttttccct ccctttctcg caacttcgcc cggttttccc cgaaaacctt aaaaaggggg 540
cctcccttaa g 551

<210> 10291
<211> 551
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-H8

<400> 10291

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tttgctcct tatgctcctt ggtctttctg caagtgtgc tacggcgacc attttccac 120
aatgctcaca agctcctata gcttcccttc ttcccccgta cctctcacca gcgggggggg 180
gggggtgtga aaaccaatt cttcaaccct ataggatcca acaggcaatc gcagctggca 240
tcttaccttt atcacccttg ttctccaac aatcatcagc cctattacag cagttacctt 300
tggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa 360

accttgtctgc ctactctcag caacaacagt ttcttccatt caaccaacta gctgcattga 420
 actctgcttc ttatttgcaa caacaacaac taccattcag ccagctatct gctgcctacc 480
 cccagcaatt tcttccattc aaccaactga cagctttgaa ctctcctgct tatttacagc 540
 agcaacaact a 551

<210> 10292

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-H9

<400> 10292

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 cactagtcca tgtgagaaac cccttgccgc taccttcaac actaactaca gctttaatat 120
 catgctctta tctagggcca tagctgctgc ctacgtgcct aaagaactgt aacaacaaat 180
 tgtaccaggg gtgggggggg ttgttactga aaacctgtg gcctacctg aacacttggt 240
 tccatacaag ctactatcta tgcaaaactc tgtggcgaac cttcaacagc gactacaaca 300
 actaaaacca ttacttaagg ctaacccatt gggttaatgca ttgctacatg acttactaca 360
 gctgccatac aagctgctct atatgatgaa ttctgtcttg aatacgcagt aacctatgga 420
 tgaacgcacc atcttttatg accacatatt agatgaccta taaaatggag tccttatacc 480
 ggctgtgta ccctagagat aatcactata atgattaaga tatatcttga gatttatctc 540
 gataaaaaaa aaaaaaanaa aaaaannaaa aanaaaa 577

<210> 10293

<211> 662

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A1

<400> 10293

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aggggtcatg tgttcttggg attattgaga atccgggtgc tatcaaaagt atagaatgtg 180
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 caggaaggaa ggtggccatt gttggcagtg gaccatctgg tttggctgct gcagatcaac 300
 taaataaaat gggccacttc gtaactgtgt tcgaacgtgc agatcgaatt ggaggtttaa 360
 tgatgtatgg tgtgccaaac atgaagacag acaagattgg cgttgtccag cgccgtgtta 420
 atttaatggc tgaagagggt gtcacatttg tggatgaatgc caatgttggg agtgatcctt 480
 tgtactcgat tgaacgtcta cgttctgaaa atgatgcggg tatttttggct tgtggagcaa 540
 caaaaccgag agatctcacc atccctggac gcgagctatc tggagttcat tttgcaatgg 600
 aatttctcca tgcaaatacg aaaagnttac tcgacagcaa cctgnaggat ggtaaataata 660
 tc 662

<210> 10294

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-A10

<400> 10294

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 tctagtggc attataccac agttcctccg accagttact tcaatgggct tcgaacacct 180
 agctgtgcaa gcctacaggc tacaacaagc gcttgcgggc agcgtcttac aacaaccaat 240
 taaccaattg caacaacaat ccttggcaca tctaaccata caaaccatcg caacacaaca 300
 gcaacaacag ttctaccag cactgagcca actagatgtg gtgaaccctg tcgcctactt 360
 gcaacagcag gtgcttgcac ccaaccact tgctctggca aacgtagctg cataccaaca 420
 acaacaacaa ttgcaacagt ttctgccagc gtcagtgcaa ctagccatgg tgaaccctgc 480
 cgcctaccta caacagcaac aactgctttc atctagccct ctggttggg gtaatgcacc 540
 tacatacctg caacaacaat tgctgcaaca gattgtacca gctctgactc 590

<210> 10295

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A11

<400> 10295

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ttatgctcct tgggtatttct gcaagtgtgt ctacggcgac cattttcccg caatgctcac 120
aagctcctat agcttccott cttccccgt acctctcacc agcgggtgtct tcggtatgtg 180
aaaaccaat tcttcaacct tacaggatcc aacaggcaat cgcagctggc atcttacctt 240
tatcaccctt gtctctcaa caatcatcag ccctattaca gcagttacct ttggtgcatt 300
tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 360
cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg aactctgctt 420
cttatttgca acaacaacaa ctaccattca gccagctacc tgttgctac cccaacaat 480
ttcttccatt caaccaactg gcagcattga actctctgc ttatttacag cagcaacaac 540
tactacncat tcagccagct agctgggtgtg agccctgcta cttcttgac acaaccacag 600
ttgttgccgt tctaccagca cgctgncgcc tacgctggca ccct 644

<210> 10296

<211> 494

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-A12

<400> 10296

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gtgagaatat catctggaag gcatttagcc ccacaaccat caacagtggt cgtgggtgctg 180
aattcgaagg ggctgtcatt gcaactgttc atctgttgat tacgagaacc gataaagtcc 240
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ctgtcttgggt attcctcata gttatctatt tccaaggctt ccgtgttggtg cttccagtga 360
gatcaaagaa tgctcgtggc cagcaaggct catatccaat taagctgttc tacacttcaa 420
acatgcccat cattcttcac tctgcgctga ttaccaacct ctattttata tcccagcttc 480

tctacaggaa gtac

494

<210> 10297

<211> 674

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A2

<400> 10297

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aagacattat ccttccttgc gcttcttgcc ctttttgtga gtgcaacaaa tgcgttcatt 120
attccacaat gtcacttgc tccgagtgc attattccac agttcctccc tccagttact 180
tcaatgggct tcgaacaccc agctgtgcaa gcctataggc tacaacaagc gcttgcggcg 240
agcgtcttag aacaaccaat tgcccaatta caacaacaat ccttggcaca tctaaccata 300
caaaccatcg caacgcagca gcaacaagca ctgagccacc tagccgtggt gaaccctatc 360
gcctacttgc aacaacagct gcttgcattc aaccacttg ctttggcaaa cgtagctgca 420
taccaacaac aacaacagtt gcaacagttt ctaccagcgc tcagtcaact agccatgggt 480
aaccctatcg cctacctaca acagcaacaa cttctttcat ctagcccgct cgctatgggc 540
aatgcaccta catacctgca acaacagttg ttgcaacaac agttgctgca acaaattgta 600
ccagctctta ctgagctagc tgtggcaaac cctgctgcct acttgcaaca actacttnca 660
ttcaccaact gact 674

<210> 10298

<211> 193

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A3

<400> 10298

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tgttgccctt ttgcengcag tttgcggcgt ccccgccgc cctctttctt cttcaacann 120
ngntgctttt tttttctttt gctttgccgg tcccgccggt cttcttcttc cttcgcgctc 180

ttggtggtgc cct

193

<210> 10299

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-A4

<400> 10299

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tccacagtgc tcaactgctc ctagtgccat tattccacag ttccctccac cagttacttc 180
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cgccttataa caaccaattg cccaattgca acaacaatcc ttggcacatc taaccctaca 300
aaccattgca acgcaacaac aacaacaaca acagtttctg ccatcactga gccacctagc 360
cgtggtgaac cctgtcacct acttgcaaca gcagctgctt gcatccaacc cacttgctct 420
ggcgaacgta gctgcatacc agcaacaaca acagctgcaa cagtttatgc cagtgtcag 480
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ggtgggcaat gcacctacgt acctacaaca acagttgctg caacaaattg taccagctct 600
gactcagcta gctgtggcaa accctgctgc ctacttataa cagttgc 647

<210> 10300

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A5

<400> 10300

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cacctccggt tcacctgcca cctccggtgc atctcccacc gccggtccac ctgccgccgc 120
cgggtccacct gccaccgccg gtccatgtgc cggcgccggt tcatctgccg ccgccacct 180
gccactaccc tactcaaccg ccccgccctc agcctcatcc ccagccacac ccatgcccg 240

gccaacagcc gcatccaagc cegtgccagc tgcagggaaac ctgcggcggtt ggcagcacc 300
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 actgctcgcc tcagtgccag tcgttgccggc agcagtgttg ccagcagctc aggcaggtgg 420
 agccgcagca ccggtaccag gcgatcttcg gcttggtcct ccagtccatc ctgcagcagc 480
 agccgcaaag cggccaggtc gcggggctgt tggcggcgca gatagcgag caaactgacgg 540
 cgatgtgcgg cctgcagcag ccgactccat gccctacgc tgctgccggc ggtgtccncc 600
 actgaagaaa catgtgctgt agtatagccg ctgg 634

<210> 10301

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A6

<400> 10301

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 gcagctgcag caactcgtgc tacctgtgat caaccaagta gctctggcaa acctttctcc 120
 ctactatcag caacaacaat ttcttcatt caaccaacta tctacactga accctgctgc 180
 ttatttgcag caacaactat taccattcag ccagctagct actgcctact ctcattcaaca 240
 acaacttctt ccatttaacc aattggccgc actgaacctc gctgcttatt tgcagcagca 300
 aatattacta ccatttagcc agctagctgc agcaagccgt gcttccttct tgacacagca 360
 acagttgctg cctttctacc agcagtttgc ggctaacccc gcaacctctt tacaactaca 420
 acaattgttg ccctttgtcc aacttgcttt gacaaaccca gcagcctcct accaacaaca 480
 catcanttgg tggtgccctc ttttagattg cttattagtt gtaattcaat aataaagttt 540
 tttggatgat gtatgtggcc aaccagaaat aagaagttac atttcagat tctaattgtga 600
 tattggtctc caggggtgtc gatattactt tgct 634

<210> 10302

<211> 63

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-A7

<400> 10302

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aaa 63

<210> 10303

<211> 671

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A9

<400> 10303

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aaagcacaat agtgtacca caatggcagc caaaatattt tgcttcctta tgctccttgg 120

tctttctgca agtgttgcta ccgcaaccat tttcccacaa tgctcacaag ctcctatagc 180

tccctttctt ccccatacc tctcaccagc ggtgtcttca atgtgtgaaa cccaattgt 240

tcaaccctac aggatccaac aggcaatcgc aacaggcatc ttaccattat cacccttgtt 300

cctccaacaa ccgtcagccc tattacagca gttacctttg gtccatttgg tggcacaaaa 360

catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat actctcagca 420

acatcagttt cttccattca accaactggc tgcattgaac tctgctgctt atttgcaaca 480

acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc cattcaacca 540

actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac cattcagcca 600

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tgcaagctat g 671

<210> 10304

<211> 668

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B10

<400> 10304

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 gaagtgaacc ctgagtttct gcaaagggga gagaaaatga tagcaggtaa tcttgagggc 480
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<210> 10305

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-B11

<400> 10305

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 gtcacaagc tcctatagct tcctttcttc cccataacct ctcaccagcg gtgtcttcag 180
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 tacctttatc acccttggtc ctccaacaac cgtcagccct attacagcag ttacctttgg 300
 tgcatttggt ggcacaaaac atcaaggcac aacaactaca acaacttggt ctaggaaacc 360
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 aatttcttcc attcaaccaa ctggcagcat tgaactctgc tgcttattta caacagcaac 540
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<210> 10306
<211> 198
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B12

<400> 10306

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ggcggcgcta gcagctgtcc ttgggggggc gctcctgctc ggggcgttct cggtcgagtg 180
caatcccaat cccaagcc 198

<210> 10307
<211> 645
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-081-Q1-K6-B2

<400> 10307

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cgacggagag gtggaccgcc gtgacgtggg caagatgaag cacgggtgcg agcattaccg 180
gcggaggtgc aagatcgtgg caccgtgctg caaccagggtg ttcccctgcc gccactgcca 240
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agtttgccta ctctgtgaaa caaaacagcc ggtgtcacia gtgtgcataa gctgtggagt 360
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<210> 10308

<211> 650
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B3

<400> 10308

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cagctgcttg catccaaccc acttgctctg gcgaacgtag ctgcatacca gcaacaacaa 180
cagctgcaac agtttatgcc agtgctcagt caactagcca tgggtgaaccc tgccgtctac 240
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tacttacaac agttgcttcc attcaaccaa ctggctgtgt caaactctgc tgcgtaccta 420
caacagcgac aacagttact taatccattg gcagtggtta acccattggg cgtacacctc 480
ctgcagcagc aacaacaatt gctgccatac aaccagttct ctttgatgaa cctgccttg 540
cagcaacca tcgttgaggg tgccatcttt tagattacat atgagatgta ctcgacaatg 600
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<210> 10309
<211> 657
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B4

<400> 10309

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ggggctgcag ggcttgtagc gcgctggcgc cggcctgacg acgatgatgg gcgccggcgg 180
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ctactacgcc ggggtgtggc agacgagcgc catgtaccag ccgctccggc aacagtgcgt 300
ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc agatgatgat 360
gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc tgatgcagca 420

gcagcagcag ctgctggcag cccagggctct caaccccatg gccatgatga tggcgcagaa 480
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cccctgtggc gtctccgctg ccattccgcc ctactactga ttcatgatat ttgggaaatc 600
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<210> 10310

<211> 627

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-B5

<400> 10310

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acaagtgcgg agtaagctgt ggtgatacaa caccttgtgc agaatccctt gctctttcaa 180
actcatcgcc aagaaagcaa catgttaaag cacaagtgc ttacatacat cacatcttct 240
cccccttggt ccactattct gcattaacct tgttgtatgt cagaaatgct ccttgtggaa 300
ttcgaat tttt gttgtagact tgccattgaa ttcataacag agcttgctta gttcctgtgc 360
cagaactgga gccccgcagt agaacactcc tatcttagca tatggatggt tgggtggctat 420
cttagataag acctttttta aatttggcct tgcaaaatgt gtccgcactt tagttccaga 480
aactatatca acaccattct tggcatgggt gagagcttgt agcatcgtaa tgagtgcgtga 540
ccgagcatcc ccttnctcgt aaacacttgt gagataattg tgcattctca tgatattcct 600
ctgatctaag tcagcgattt cattcat 627

<210> 10311

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-B6

<400> 10311

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aataatggcc ctgctcaaag ccgcgcgcgt cgccgatgtg cccaccctgg acgtgggtggt 180
ggcccccgcc ctggtggcgg ttgccaaaggc gaggagcgcc gcggtgtgtg gcggccgggtt 240
ctcgggtgatc ggccaccgcg gcaaggggat gaacgcgctg gcgtcggagg acccgcgtct 300
gcgggatgtg cgcgagaaca cggtcgcctc cttcaacgac gccgggcgct tccccgtcga 360
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tcgcagattg aaggatggca ggatggtgaa ctgggacgtg caatcagagg acgtctctntg 600
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<210> 10312

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B7

<400> 10312

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cagtgtcac ttgctcctag tgccattatt ccacagttcc tcccaccagt tacttcaatg 180
ggcttcgaac atccagccgt gcaagcctac aggtacaac tagcgcttgc gcgagcgcc 240
ttacaacaac caattgccca attgcaacaa caatccttgg cacatctaac cctacaaacc 300
attgcaacgc aacaacaaca acaacaacag tttctgccat cactgagcca cctagccgtg 360
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aacgtagctg cataccagca acaacaacag ctgcaacagt ttatgccagt gctcagtcaa 480
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<210> 10313

<211> 295
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B8

<400> 10313

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tgggtccatga gcggctaaat agttgggggtt ttctgatgca ttggaggtgg atgaatgaat 180
acagtaatgt ggcgttgctt gctttacttg aaaacagcac ttcaagactg gcaactggcc 240
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<210> 10314
<211> 625
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-C1

<400> 10314

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atggtgatgt atctgaaaat ctgctttctc gaaagccgag ctctgatgag ttaaaggctc 180
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aacttgcggt tttggaacta gaactgcagg ctctgggttg cctagctgaa gaggttgcta 360
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tctccagatt agaagctgtc catgatatga ttatggaaca ggtaaacagt gttgacgctt 480
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<210> 10315
<211> 455
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-081-Q1-K6-C10
 <400> 10315

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<210> 10316
 <211> 644
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-C12
 <400> 10316

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 tttattggca caaaacatca cggcacaaca actacaacaa cttgtgctag caaaccttgc 360
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 aatttctttc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
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<210> 10317
<211> 665
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-C2

<400> 10317

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ccgcagcacc ggtaccaggc gatcttcggc ttggtcctcc agtccatcct gcagcagcag 600
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atgtg 665

<210> 10318
<211> 339
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-C3

<400> 10318

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tctaccagca gtttg'cggt aacccgcga ccctcttaca actacaacaa ttgttgccct 180
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339

<210> 10319

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<212> DNA

<213> Zea mays

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<223> Clone ID: LIB3061-081-Q1-K6-C4

<400> 10319

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tttctcaat actcacaagc tcctatagct gcccttcttc ccccatacct tccatcaatg 180

accgcttttag tatgtgaaaa ccagccctt caaccctaca ggatccagca agcaatcgca 240

acaagcaact tacctttatc acacctgttc tttcaacaat cgccagccct atctttgggtg 300

cagtcattgg taaaaccat cagggcagaa cagttgcagc aactcgtgct accagtgtac 360

agccaagtag ctctggcaaa cttttcccc tactctcagc aacaacaatt tcttccattc 420

aaccaactgt ctatactgaa ccctgctgct tatttgagc aacaacaact actaccattc 480

agccagctag ctactgccta ctctcagcag caacaatttc ttccatttaa ccaattggcc 540

gcactgaacc cctctgctta tttccagcag caaatactac taccatttgg ccagctagct 600

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<212> DNA

<213> Zea mays

<223> unsure at all n locations

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tctgcgcgag tctggagcgg agacgagagc tggaaatttg ctaagcagtc caggcatttt 180

gtatcaagct catcttaacc agcattcgac cagagtgcgg aatgtccttt tctcaactgc 240

aacaagtggg gatcaggatg aaagcagtcg ggcaaaggat aaaatctcgg taacatttgc 300

taacaaggat ggctcagaaa agacaatacg tgttccagtt ggaatgtcca tgtagaagc 360
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 agtgatcgcg aagcctgaac tcgatggtat tcggctggca ttacctgtag ccacaagaaa 600
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<210> 10321

<211> 546

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-C6

<400> 10321

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 ccaccagacg tccttagaat acggtgcagc gagcagcaag tcgccgagca gccgttccac 180
 cgccgagcag ccgagccggc ggcgggccc gagtcttcta tgtttgcttc tccggtgaaa 240
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<210> 10322

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-C8

<400> 10322

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<210> 10323

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-C9

<400> 10323

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gcgccggcgcg ggtgccccgt cgacctcagc agggacctcg ataagctgca gggccgggtg 420
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cccaccggcc gcctnctccc catcacgctc ggccaggtgt tccagcggat cgacgtgggtg 540
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<210> 10324

<211> 585

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-D11

<400> 10324

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cctgctgttg gtgcatctgg tgattaataa tactactatg acagagccat gctctgtgaa 480
gagtattagt agcagcgctc ataaaagcta cagttccgctc tcttttctca gctatgtaaa 540
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<210> 10325

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-D12

<400> 10325

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agagatttgg agcgcgtgcc tctgtgccag cagcacataa ccacgagaat caggctctac 180
tgatttgaag ccaatgggat tgaaaaatgt tcagaaccag ctttgatgct actgtgcttc 240
atcattttgt aggtgtgttc gtcttgctgc ataggcatat actaagaact agtaccagtt 300
ttagtgtttg gtaacattgt ctcatgagtt tcgctacact agttatgcc aaggaaacg 360

caccagataa taatgtacat aattttcctc cttttatctc ttttgtagg t 411

<210> 10326

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-D7

<400> 10326

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acaatgctca caagctccta tagcttccct tcttcccccg tacctctcac caacggtgtc 180
ttcgggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcgcagctgg 240
catcttacct ttatcacctc tgttcctcca acaatcatca gccctattac agcagttacc 300
tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 360
aaaccttgct gcctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt 420
gaactctgct tcttatttgc aacaacaaca actaccattc agccagctat ctgctgccta 480
ccccagcaa tttcttccat tcaaccaact gacagcattg aactctcctg cttatttaca 540
gcagcaacaa ctactacatc tcagccagct agctggtgtg agccctgcta ccttcttgac 600
acaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctggca ccctctta 658

<210> 10327

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-D8

<400> 10327

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atctggagag gctggagcgg ctgcgggtga gcgagctgca acgggagccc gctaaccgcg 120
gtgaccgcct ctttcagtcc caccgcgtcc gccacatgct cgacctcgtc gtctccacct 180
ccggcaagct cgtggaaatt tacgaggaca aggacaatgc taggaaggat gagatcaaca 240
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agatccgtga atatcatcgg cggaacccat ctgcccgctt tgtagtaca actgatgact 360
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 ctcttggtgg atcttggtgg tgtagatgga aacttttggc cgttaccttg acttgcatga 480
 gctttataat gagttcataa attccaagtt cggaacactg atggaatatt cagcttatgt 540
 tggctgtttc tcccagacgg acaagatctc acatagtcac aaagctacca gaaaatacac 600
 agaatacttg gaacatattt tggaatatct gac 633

<210> 10328

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-D9

<400> 10328

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 cagttcctac catcactgag ccacctagcc atggtgaacc ctgccgcta cttgcaacaa 120
 caactgcttg catccaacgc acttgctctg gcaaacgtag ttgcaaacca gatacaacaa 180
 tagctgcaac tatttctgcc agcgtcaga caactagcca tgggtgaacc tgccgctac 240
 ctacaacagc aacaactgct ttcattgtagc ccgcttgctg aggccaatgc acctacatac 300
 ctacaacaat caattgttgc aacataatgt accagctctg actcatctag tatgtggaaa 360
 accctgctgc ctacttgcaa cagctgattc cattcaacca actgactgtg tcgaactctg 420
 ctgtgtacct acaacagcga caacagttac ttaatccact tgcagtggct aacctattgg 480
 tcgctgcctt cctacatgtt acaccggat taaaaaggc aaaccgaatg cta 533

<210> 10329

<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E1

<400> 10329

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tcgttctcgt cgtgtgcctg gctctgtcag ctgccagcgc ctctgcaatg cagatgccct 120
 gcccctgcgc ggggctgcag ggcttgtacg gcgctggcgc cggcctgacg acgatgatgg 180
 gcgccggcgg gctgtacccc tacgcggagt acctgaggca gccgcagtgc agcccgtgg 240
 cggcggcgcc ctactacgcc ggggtgtgggc agccgagcgc catgttccag ccgctccggc 300
 aacagtgtcg ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc 360
 agatgatgat gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc 420
 tgatgcagca gcagcagcag ctgctggcag ccaggggtct caaccccatg gccatgatga 480
 tggcgcagaa catgccggcc atgggtggac tctaccagta ccagctgcc agctaccgca 540
 ccaaccctg tggcgtctcc gctgccattc cgccctacta ctgattcatg atatttggga 600
 aatctctct atccatctct ctctatctat atatgt 636

<210> 10330

<211> 556

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E10

<400> 10330

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 gcaaagcgcg cacggcacag gngggcagcn agcaagggcg acgccgccga accnccncc 120
 nccgagcacc ccagagcng cggcggcgcc cnnanggcc a gcagagnnca ccagaggcac 180
 cgnccggggc nngnacgncc gccggaccgg cccaagcagc agggaganga nncagccggg 240
 gagaccnnac gangagcngg gcagaagacn caccagngac naccggngn acganggccg 300
 nggcnccgac accgcccng ncgncgcac gcagggganc accgncncg ncggnaacgc 360
 gcaccagcng nncaccancg ngnncgagac cgggaggggc aagggcncca cggccnncan 420
 caacgggang gngacggaag ggnccgacga gggggcggnc nacggcgga cgggagcgnn 480
 ngcganggcc accggcnca ncagaaggaa gaaccnnnnn gccggnggcg gngacagngg 540
 cgggaacccc gacgag 556

<210> 10331

<211> 648

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-E11
 <400> 10331

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tcctatagct tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg tatgtgaaaa  180
cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc  240
acccttggtc ctccaacaat catcagccct attacaacag ttacctttgg tgcatttatt  300
ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta  360
ctctcagcaa cagcagtttc ttccattcaa ccaactaggt tcattgaact ctgcttctta  420
tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct  480
tccattcaac caactagcag cattgaactc tcctgcttat ttacagcagc aacaactact  540
accattcagn ccagctagct ggtgtgagcc ctgctacctt cttgaacaac cacagttggt  600
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<210> 10332
 <211> 599
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-E12
 <400> 10332

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cctactcgcg tggccgcagc ccagggccc cgcccagca acgcccgcgc cgccgcgccg  180
gcccggtcag ccgtcggagg ctatcaggaa ggtggtgttc gggggtcagg tcaccgagga  240
ggaggccgac agcctcacca agaggaagcc gtgtccgcg cccaagtgga aggagatgac  300
tgggagcggc attttcgctg ccgggagcaa tggagacgct ggggaggcag ctgctgccgc  360
gaagcccgcc cgaacctcct cgcgccaggc gagcagtact gtaagccaca tctcgttcgc  420

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tgaggatgga accgatcctc ccaaaaagcc cacatcagta gctgaggtgg caaagcagcg 480
 tgagcttagt ggcactcttc aaagcgagggc ggatagtaag acgaagaagc agatctcaaa 540
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<210> 10333

<211> 643

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E2

<400> 10333

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 agctcagacc gagatacatt ggaccgttca ctatcttggc ccgagtgggc agcctggctt 120
 atcgcttgct actgccgat tccatggcag gggtagaccc ggtttttcat gtctctatgt 180
 tgaggaagtt cttgcgggat ccggaccatc agattgagat ggaaccaatt gcggtgcagc 240
 aggatctgac tctggagtgt cgttcggtgc gtatattgga attctcggag cgtgtgttga 300
 ggaagagatc aattaagtat gtcaaggtct tatggactaa tcagtctgag cgcgaggcta 360
 catgggaact tgaggagctg atgcggcaga agtaccggga acttttcggt gtgggtggtg 420
 gacttccgga tcgttcttag ggattttgcc caaacttcg gtgaaggcac ctaatttctg 480
 cttggggaat agagggatgt agcagcacgg tcacttcacc tttaattaaa ggaaccccca 540
 ctttaataatg ttgttaatca gagttgtca agtccagtga attactntgt tcttggttga 600
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<210> 10334

<211> 355

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-E3

<400> 10334

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aacaataaaa cactaggggg gcttcttttc tgggggcgct acctggttat tacctcgggc 180
 gtgtgcccaa cttcgctcgt ttttgggaaa tccccgtatt tccccctctt tgtccccctg 240
 tagccacccc ccttttttggc agttcccgtg gtttcccaaa gtcccgggcc gttcgccctt 300
 cccccctttt gccgccttt tttggggatt ggggggcgcc ctctcgcgcc ttttc 355

<210> 10335

<211> 289

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-E4

<400> 10335

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 cagtttctgc caacgctcag tcaactagcc atggtgaacc ctgcctccta ccaacaacac 180
 atcattggtg gtgccctctt ttagattgct tattagttgt aattcaataa taaagttttt 240
 tggatgatgt atgtggccaa ccagaaataa gaagttacat ttccagatt 289

<210> 10336

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E5

<400> 10336

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 ctacacaact tgctcagagg ctcaatttgc ctaatgtttt gcagacggac atggtgtatg 180
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 ttaattcacc tgaagagctt atcactgaat tctgcagaga atgcagagtt gtacgcaagg 300
 gtttggctgg cgatttgaag aaggccatga aagatgggaa accaattatt atagagggaa 360
 tacatttgga tocaagcatt tatcttatgg atgaggaaaa gagtgatggt aattccagga 420
 cggagaagac agtaacagat tctgaaaatc caggcatctc tgtagaaagg aaggttgaac 480

atcaattcaa aaatggacta gcagagaaca gaatggattc tactgaggac aacaaaaaact 540
 tcgtcaaaaag caaaaaaagc acanctggag aaaggtagaa cccagtgaag tctatcttat 600
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<210> 10337

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-E6

<400> 10337

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 ccctcatcgc gcttttcggt gcagcaacca cagccatggt gacgacggcg aggaaggcgg 180
 tgacgctgct gctgtcgtac ctgatattca ccaagcccct gacggagcag cacgcgacgg 240
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 gggaggaaac agcatgactg ctatagaccg gacacccgac ccagcaaag cagaactgac 420
 gccagctcga tcagcaacag caaccctaga agaaattctc agtcctccaa aacagcaatc 480
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<210> 10338

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-E7

<400> 10338

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 gttcacctgc cacctcgggt gcatctccca ccgcgggtcc acctgccgcc gccggtccac 180
 ctgccaccgc cggtccatgt gccgcgcgcg gttcatctgc cgccgccacc atgccactac 240

cctactcaac cgccccggcc tcagcctcat cccagccac acccatgccc gtgccaacag 300
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 agcggccagg tcgcgggggc tggtggcggc gcagatagcg cagcaactga cggcgatgtg 600
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<210> 10339

<211> 573

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E8

<400> 10339

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 ctgctntttt gongcagcat ctgttaccat tcagccagct ggctactgcc tactctcatc 480
 tgctttctct tctttgcttt caccatttgg ccgttctgaa cctcgctgct tgtttgcggc 540
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<210> 10340

<211> 611

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E9

<400> 10340

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cgggtaccagg cgatcttcgg cttggtcctc cagtccatcc tgcagcagca gccgcaaagc 600
ggccagggtcg c 611

<210> 10341

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-F1

<400> 10341

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caggccagct ggcgcggagg atctcgcgaa cggcgcgaaa gaccgggagg ggctccgcc 180
ggaggttgag gaggaggaag tggaggagcc gccacgatcg gcgacggcga agcaggagga 240
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cgaactcagg gaggacggcg agacggcggt cggcggcagc accgcgagat ctgcgttcgg 360
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cgaggaagga cgttctcgcc aaaggattct ttcttttgcg gctaaaagat acgtaaagtc 540

aattgaaagt aatcctgacg accctgatgc atattataa ttgggtctcta gtnctccagn 600
agagcgcaga caatgtggat cccaaattcg agtcctct 638

<210> 10342

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-F10

<400> 10342

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ccatgataca gcagatgcag cagccttgca atgagtgcga ggggactgga gagagcatca 180
atgagaagga ccgctgtcca ggggtgcaagg gtgagaaggc cattcaagag aagaagggtc 240
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aatcagaccc tgggtgaagtt gttaaacctg accaattcaa ggcgattaat gatgagggga 540
tgccaattta ccagaggcct ttcattgaagg ggaagctgta catccatttc acggtggagt 600
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<210> 10343

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-F11

<400> 10343

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ttcttgatca cagacaggcg gctgcagctg tgggtcaaca caaagccatg agcagcaaca 180
tcattccaaa caacatcatt cacaacacaa acaacatcaa ccaccaccac aacatcacca 240

gcagcagcaa caccaacaac aacaagttca catgcaacca caaaaacatc agcaacaaca 300
 agaagttcat gttcaacaac aacaacaaca accgcagcac caccaccaac aacaacaaca 360
 acagcaccaa caacaacatc aatgtgaagg ccaacaacaa catcaccaac aatcacaagg 420
 ccatgtgcaa caacacgaac agagccatga gcaacaccaa ggacagagcc atgagcaaca 480
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 tcagcagggc caggaaaaat acaacagcaa caatgtcatt gccaggagca gcaacagact 600
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 t 661

<210> 10344
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-F12
 <400> 10344

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 tggaggaacg caagttgcac ttttactttg cagttgcctt caagaggtea tgttcatgtt 240
 gcgtaaaatg agatattttgt gctagagtat tatcctcaac agcagccttg ctgggatgtg 300
 gtgaacaacc tgtgaggata ctcacttttc tttggaagga accatgccaa gtgcatgtat 360
 gcacaggggtg ttccaatatt gatgggcaac tgtgtatact ggataggtgg gcgccgtngg 420
 gatctaagca ttgactttgt catggaatct ggga 454

<210> 10345
 <211> 624
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-081-Q1-K6-F3
 <400> 10345

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aacaagcaat cgcagcaagc aacatacctt tatcacccctt gtttcaacaa tcgccagccc 120
tatcttttggc gcagtcattg gtacaaacca tcaaggcaca gcagctgcag caactcgtgc 180
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aattggccgc actgaacctc gctgcttatt tgcagcagca aatattacta ccatttagcc 420
agctagctgc agcaagccgt gcttccttct tgacacagca acagttgctg cctttctacc 480
agcagtttgc ggctaacccc gcaacctctt tacaactaca acaattgttg ccctttgtcc 540
aacttgcttt gacaaacca gcagcctcct accaacaac atcattgggtg gtgcctctt 600
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<210> 10346

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-F4

<400> 10346

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ccctccttat gctccttgct ctttctgcat gtgttgctaa cgcgacaatt ttccctcaat 120
gctcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag 180
tatgtgaaaa ccagctctt caaccctata ggctccaaca agcaatcgca gcaagcaaca 240
tacctttatc acccttggtt caacaatcgc cagccctatc tttgggtgcag tcattgggtac 300
aaaccatcaa ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac caagtagctc 360
tggcaaacct ttctccctac tatcagcaac aacaatttct tccattcaac caactatcta 420
cactgaacct tgctgcttat ttgcagcaac aactattacc attcagccag ctagctactg 480
cctactctca tcaacaacaa cttcttccat ttaaccaatt ggccgcactg aacctcgctg 540
cttatttgca gcagcaaata ttactaccat ttagccagct agctgcagca agccgtgctt 600
ccttcttgac cagcaacagt tgctgcttt ctcc 634

<210> 10347

<211> 621

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-F5

<400> 10347

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ctcctatagc ttcccttctt ccccggtacc tctcaccagc ggtgtcttcg gtatgtgaaa 180
acccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc ttacctttat 240
cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactagc tgcatagaac tctgcttctt 420
atttgcaaca acaacaacta ccattcagcc agctacctgt tgctacccc caacaatttc 480
ttccattcaa ccaactggca gcattgaact ctcttgctta ttacagcag caacaactac 540
taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa ccacagttgt 600
tgccgttcta ccagcacgct g 621

<210> 10348

<211> 293

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-F6

<400> 10348

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aatcggtcac aacttcagta caaaactaca caggcaagac actgctgat acagtgcgat 120
agccgctgcc atcctctctt cgcttcgcgg gtggcaacct aatgccttga ggttttgctc 180
aaccaaatgt cgccaccagg aactccttgt aaacgctcat gaacttggcc acgaaagctg 240
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<210> 10349
 <211> 644
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-F7

<400> 10349

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 aaggagcacc agccatggtg cacgtcaact tctaccgcaa ctatggtaag acgttcaaga 120
 aaccaaggcg tccttatgag aaggagcgtc ttgatgctga actgaagctg gttggtgagt 180
 atgggctgag gtgcaagcgt gagctttgga ggggccagta tgcactgagc aggatccgta 240
 atgctgcaag gcacttgctc acccttgacg agaagaacct ccgtcgtatc tttgaggggtg 300
 aggcacttct tcgccgcatg aaccgctatg ggctgcttgc tgagggtcag aacaagcttg 360
 attatgttct tgccctcacc gctgagaact tcctcgcaag gcggcttcaa acacttgctc 420
 tcaaggctgg catggccaag tccattcacc atgctcgtgt cttgatcaag cagcgtcaca 480
 tcagggttgg caggcaaatt gtcaacgtcc catcattcat ggtgagngt ggagtctgag 540
 aagcacattg acttttctact gtcaagccca ttcggtggag gccccgcaga aagggtgaag 600
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<210> 10350
 <211> 643
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-F9

<400> 10350

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 cagttcctac cagcactgag ccacctagcc atggtgaacc ctgccgcta cttgcaacaa 120
 caactgcttg catccaacgc acttgctctg gcaaacgtag ttgcaaacca gcaacaacaa 180
 tagctgcaac tattttctgac agcgtcagt caactagcca tgggtgaacct tgccgcttac 240
 ctacaacagc aacaactgct ttcatttagc ccgcttgctg tggccaatgc acctacatac 300
 ctacaacaac aattgttgca acatattgta ccagctctga ctcagctagt tgtggcaaac 360

cctgctgcct acttgcaaca gctgcttcca ttcaaccaac tgactgtgtc gaactctgct 420
gcgtagctac aacagcgaca acagttactt aatccacttg cagtggctaa cccattgggtc 480
gctgccttcc tacatgtcac acccggtttt aaaaaggcaa accgaatgcg aacctgtac 540
gtgccaggat cagttattca cgtacacagc agttacataa tatggacatc atcacacagt 600
gctcaaaata gtattaataa gggaaatagt agattacatc ata 643

<210> 10351
<211> 618
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-081-Q1-K6-G1
<400> 10351

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tttgccctct tatgtctctt ggtctttctg caagtgtgtc tacggcgacc attttcccgc 120
aatgtctgca agctcctata gcttcccttc ttcccccgta cctctcacca ggggtgtctt 180
cggatatgtga aaaccaatt cttcaaccct acaggatcca acaggcaatc gcagctggca 240
tcttaccttt atcacccttg ttctccaac aatcatcagc cctattacaa cagttacctt 300
tggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa 360
accttgctgc ctactctcag caacagcagt ttctttcatt caaccaacta ggttcattga 420
actctgcttc ttatttgcta caacaacaac taccattcat ccagctacct gctgtctacc 480
cccagcaata tcttccattc aaccaactag catcattgaa ctctactgct gatttacagt 540
agcaacaact actaccattc atccagctag cttgtgtgag ccctgtacct ttttgaacaa 600
cacagatttg ccgtctac 618

<210> 10352
<211> 631
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-081-Q1-K6-G12
<400> 10352

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gcgaccaaga tattttccct ccttatgctc cttgctcttt ctgcatgtgt tgctaacgcg 120
acaattttcc ctcaatgctc acaagctcct atagcttccc ttcttccccc ataccttcca 180
tcaatgatag cttcagtatg tgaaaaccca gctcttcagc cctataggct ccaacaagca 240
atcgagcaa gcaacatacc tttatcacc ttgttggttc aacaatcgcc agccctatct 300
ttggtgcagt cattggtaca aaccatcagg gcacagcagc tgcagcaact cgtgctacct 360
gtgatcaacc aagtagctct ggcaaacctt tctccctact ctgagcaaca acaatttctt 420
ccattcaacc aactgtctac actgaacctt gctgcttatt tgcagcaaca actattacca 480
ttcagccagc tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg 540
gccgcactga accccgctgc ttatttgcag cagcaaatac tactaccatt tagccagcta 600
gctgcagcaa accgtgcttc cttcttgaca c 631

<210> 10353

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-G3

<400> 10353

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gcaacatcaa ttatctaact caaaaacca tgaagctggg gcttgtgggt cttgctttca 120
ttgcttttagt atcaagtgtt tcttgtacac agacaggcgg ctgcagctgt ggtcaacaac 180
aaagccatga gcagcaacat catccacaac aacatcatcc acaaaaacaa caacatcaac 240
caccaccaca acatcaccag cagcagcaac accaacaaca acaagttcac atgcaaccac 300
aaaaacatca gcaacaacaa gaagttcatg ttcaacaaca acaacaacaa ccgcagcacc 360
accaccaaca acaacaacaa cagcaccaac aacaacatca atgtgaaggc caacaacaac 420
atcaccaaca atcacaaggc catgtgcaac aacacgaaca gagccatgag caacaccaag 480
gacagagcca tgagcaacaa catcaacaac aattccaggg tcatgacaag cagcaacaac 540
cacaacagcc tcagcaatat cagcagggcc agggaaaaca caacagcaac aatgtcattg 600
ccaggagcag caacagacta caaggtgcag ctattactac tatagcagta gctc 654

<210> 10354
<211> 635
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-G5

<400> 10354

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gtacctagtg acagtggatg tacattcaat gttgcacca atatgaaggc gcttgaaatt 180
gctgagaaaag ccagggatgc tctcctaagt ggaaagtgtg accagggtacg tgtcaacctg 240
ccaaatggtg acatggttgg tcacactggt gatattgagg ccaccgtagt tgcttgcaag 300
gcagctgatg aagctgttaa gattattttg gatgctgtcg agcaagttgg tggatatttac 360
cttggtaccg ccgatcatgg caatgctgag gatatggtga aaaggaacaa gtctggcaag 420
ccgttgctcg acaagaatga ccgtatccag attcttacct cgcataccct tcagccggtc 480
ccggttgcca ttggaggccc tggccttcac cctggagtga aattccggaa cgacatccaa 540
acccttgggc tcgccaacgt agccgcaacc gtgatgaacc tccacggatt tgaggctcct 600
gctgactacg agcaaaccct cattgaagtg gctga 635

<210> 10355
<211> 588
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-G6

<400> 10355

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ttttccctcc ttatgctcct tgctctttct acatgtgttg ctaacgcgac aattttccct 120
caatgctcac aagctcctat agcttccctt cttcccccat accttccatc aattatagct 180
tcaatatgtg aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc 240
aacatacctt tatcgccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca 300
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gtagctctgg caaacctttc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
 ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt tagccagcta 480
 gctactgcct actctcagca acaacaactt cttccattta accaattggc cgcactgaac 540
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<210> 10356

<211> 631

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-G7

<400> 10356

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 cagcacgaac catctgcctt cagctcatac ttgctttaac caactagact tgcctgagta 180
 cacatccaaa gagcagctcc aggagcgggt actattggca atccacgaag caaatgaagg 240
 tttcggattt ggctaatacag ttatactcgt ttgtccgtgc cctgagaact gcaataggcg 300
 agcagcacgt gtgtggctga tcacattatg aactccacgt gtgtgatgag agatggccgg 360
 agagaacatg tccaggatag acgaatgcc gtgggagagg tactactgtt aagagagaga 420
 gcgactatth tgtgtttata atctttgtct gtttgtagtt tttgccttac attggtcggt 480
 gctccgaagt ttttcccctt cttttcgttc atagactggg gtaagttgta accgaacatt 540
 atgtcaaatg caggctcatc tacgctggaa tgttatacct cccctaatac gttaaaacaa 600
 ctgtaaattc cgaagactat ttattctaata a 631

<210> 10357

<211> 504

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-G9

<400> 10357

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tttcttccat tcaaccaact ggctgcattg aactctgctg cttatttgca acaacaacta 120
 ccattcagtc agctagctgc tgccataccc cagcaatttc ttccattcaa ccaactggca 180
 gcattgaact ctgctgctta tttacaacag caacagctac caccattcag ccagctagct 240
 gatgtgagcc ctgttgccct cttgacacaa caacagttgt tgccgttcta cctgcacgct 300
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 ttgacaaacc caacagcggt ctaccaacaa cccatcattn ggtgggtgcc tcttttagat 420
 tgcttatgag ttatacttca ataatgaagt tttttggatg atgtttgtgg cttcccagaa 480
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<210> 10358

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-H10

<400> 10358

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 aaaaaaaaa aagggaaaaa agaaaaaaaa aaaaaaaaa gggcgctccag ctttaattgga 120
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 ggcccggcat gctggatggt ccagcgggcg cgcccttttt tttggcattg ggccgcccct 360
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 ctttgccctt ttccctggct ctacggtttg ccccttttcc tttttaacct ttaactccgg 480
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<210> 10359

<211> 300

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-H3

<400> 10359

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 cgcggagccg cagggctggg acagagctgg cgccaacctg actacgatca tggagctcca 180
 gcagctgcac cccacgcgc acacccgagg caatcgaaac gcagaccgct ggcagtaaca 240
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<210> 10360
 <211> 642
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-081-Q1-K6-H4
 <400> 10360

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 tgctcacttg ctctagtgc cattattcca cagttcctcc ctccagttac ttcaatgggc 180
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 gcaacgcaac agcaacaaca atttctacca gcactgagcc aactagctgt ggtgaaccct 360
 gtcgcctact tgcaacagca gttgcttgca tccaaccac ttgctctggc aaacatagtt 420
 gcataccaac aacaacaaca attgcaacag tttctaccag cgctcagtca actagccatg 480
 gtgaaccctg ccgcctacct acaacagcaa caactgattt catctagccc tctcgctgtg 540
 gttaatgcac ctacatacct gcaacaacag ttgctgcaac agattgtacc agctctgact 600
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<210> 10361
 <211> 631
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-081-Q1-K6-H6
 <400> 10361

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cgggtgtcttc ggtgtgtgaa aacccaattc ttcaacccta cagatccaa caggcaatcg 240
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ctgcattgaa ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg 480
ttgcctaccc ccaacaattt ctttcattca accaactggc agcattgaac tctcctgctt 540
atttacagca gcaacaacta ctaccattca accagctagc tgggtgtgagc cctgctacct 600
tcttgacaca accacagttg ttgccgttct a 631

<210> 10362

<211> 631

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-H8

<400> 10362

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tctaccgccc ccggtgcata tgccacctcc ggttcacctg ccacctccgg tgcattctcc 180
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<210> 10363

<211> 634
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-H9

<400> 10363

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atgctcacia gctcctatag ctctctttct tccccatac ctctcaccag cggtgtcttc 180
agtatgtgaa aaccaattc ttcaaactta caggatcaa caggcaatcg cagcaggcat 240
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gcaatttctt ccattcaacc aactggcagc attgaactct gctgcttatt tacaacagca 540
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<210> 10364
 <211> 634
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-A12

<400> 10364

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tctatagct tcccttcttc ccccgtaact ctccaccagc gtgtcttcgg tatgtgaaaa 180
cccaattctt caacctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc 240
accttgttct ctccaacaat catcagccct attacaacag ttacctttgg tgcatttatt 300
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ctctcagcaa cagcagtttc ttccattcaa ccaactaggt tcattgaact ctgctttctta 420
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 tccattcaac caactagcag cattgaactc tcctgcttat ttacagcagc aacaactact 540
 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacagttggt 600
 gccgttctac cagcacgttg cgcctaacgc tggc 634

<210> 10365
 <211> 643
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 10365

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 tcgcaagctc ctatagcttc ccttcttccc cgtacctct caccagcggg gtcttcggta 180
 tgtgaaaacc caattcttca accctacagg atccaacagg caatcgcagc tggcatctta 240
 cctttatcac ccttggtcct ccaacaatca tcagccctat tacaacagtt acctttgggtg 300
 catttattgg cacaaaacat cagggcacia caactacaac aacttggtgt agcaaacctt 360
 gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactaggttc attgaactct 420
 gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag 480
 caatttcttc cattcaacca actagcagca ttgaactctc ctgcttattt acagcagcaa 540
 caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt gacacaacca 600
 cagttgttgc cgttctacca gcacgttgcg cctaactgct gca 643

<210> 10366
 <211> 625
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-085-Q1-K6-A3
 <400> 10366

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gcactgatgc acacttgtgt ttgtgtagag ggcgattgg ccagcttata tagcatccga 120
aagacaagtc actcacacgc acattcgcat tggctaacag aagctatttg gaatgcagtg 180
cactcgacta acaacgtagg taacccccgt ctccttggtt tgccgattgc atcgccatca 240
tatgtcagca gcaaggaagt tgccagacaa ggaaaccttc tcgccaggct tgaatggtgg 300
aagacctctg tagggacagg ttccacagcg gaaggcatca cccaaccac aactgccaca 360
agctgactga gggttattga tctgctccgc agtgagctcc agcttccaa ccttctctc 420
ggcctcagcc ctgccacaag tacagttctt gcatgcttcc tttgctgcc ccacctcaca 480
gtccccaaca actggaagtt gtggtttctt caggctctcc tcagtcaaga gactgtcttc 540
atcaatcaga tcagagtcgt cgtcaatttg aatcttgga agggcttctg ttgtttctt 600
aaggggaaaa gagcacccat gctcc 625

<210> 10367

<211> 236

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-A4

<400> 10367

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tagctagttc actcgtttag cggcgatgag taacggagtg tcacccatca ccatgggtgg 120
cagtgtgagc aatgacctga atgaaccatt gaaatgaaaa ggaataatat atagggaaaa 180
ggatgttttg aaaaaaaaaa aaaaacaaaa aaaaaaaaaa aaaaaaaccc cacact 236

<210> 10368

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-A6

<400> 10368

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gtggcccaag taagtgagcg agcgtgagag ccgcctccc tccctcccag ccggcgctc 180

gatctcgaat ctccccgccg ccctccgccc gctccgtgcc cgtgctgact gcggcctgct 240
gatgaatgaa tggaccgatc aggtgggggt gcgagaagag caagttcccg tggacctact 300
ccgccaagga gacgtgctac ctgctgcagg ggaaggtgaa ggtgtacccc gaaggccacg 360
gggaggagtt cgtggagatc ggcgcgggag accttgctgt cttcccgaag ggcattgagct 420
gcacctggga cgtcgccgag gccgtcgaca agcactacaa cttcgagtag ccgccgccgc 480
cgactagccc tgcggcgctc gatgtagact tgctgtgctc ttgtactctg aaccaccgtg 540
taataaagct ccggattagg gtactacaat actgtactat ctgtttcaga tcccgttcgg 600
ttagctgtga ttaagacctg aaactattcc agctgatcag tt 642

<210> 10369

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-A7

<400> 10369

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tccaccttgc gtacgcgagc cgaacgctcg tgggtcctgc agcctccgtc tccacctagg 120
gttctggcga tggcgcacgg cggctacca cgcgcggcg ccgccgtacg caggcccaag 180
tcctcggcct ctgccgcagt tgccgaccgc aagcgggaagc ggaccgccgc cgcgcgcaag 240
accacctccc ttaagaacca gatccgctcc accgagcgtt tcctccgcaa ggaccttcg 300
gatgagatta gggttgctca agagaagaaa ctggaagaac tgaagaggca acaagagctt 360
cagaatcaac ttgctgtcca gcggacatta cagtttagag atagaaagat aaaattcttt 420
gagagacgga agattgagag gatgataagg cgactcgaga agaacaacgt tcaaattggtg 480
atggtgtcaa caataatctg tcaaaattgc gagaagatct tgaatatgtt agattcttcc 540
ctaagaatga gaaatatgtc tcgctgttca ctggagggaa cagtcaagat attgttcaag 600
agaggataaa tggcgcaaac agatcaag 628

<210> 10370

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-A8

<400> 10370

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ctaccaagat attagccctc cttgcgcttc ttgccctttt agtgagcgca acaaatgcgt 120
tcattattcc acagtgetca cttgctccta gtgccattat tccacagttc ctcccaccag 180
ttacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa cttagcgttg 240
cggcgagcgc cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
cctacaaaac cattgcaacg caacaacaac aacaacaaca gtttctgcga tcaactgagcc 360
acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag tttatgccag 480
tgctcagtc actagccatg gtgaacctg ccgtctacct acaactactt tcctctagcc 540
cgctcgcggg gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
cagctctgac tcagctagct 620

<210> 10371

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-A9

<400> 10371

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ccttatgctc cttgggtcttt ctgcaagtgt tgctaccgca accattttcc cacaatgctc 120
acaagctcct atagcttccc ttcttcccc atacctetca ccagcgggtgt cttcaatgtg 180
tgaaacccca attgttcaac cctacaggat ccaacaggca atcgcaacag gcactctacc 240
attatcacc ttgttctctc aacaaccgtc agccctatta cagcagttac ctttgggtcca 300
tttgggtggc caaaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc 360
tgcatactct cagcaacatc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
tgcttatattg caacaacaat taccattcag ccagctagtt gctgcctacc ccagcaatn 480

tcttccattc aaccaactag cagcattgaa ctctgctgct tattacagca gcaacactac 540
 tacattcagc cagctagctg atgtgagccc tgct 574

<210> 10372

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-B10

<400> 10372

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 accaagatat tttccctcct tatgctcctt gctctttctg catgtgttgc taacgcgaca 120
 attttccctc aatgctcaca agctcctata gcttcccttc ttccccata ccttccatca 180
 atgatagctt cagtatgtga aaaccagct cttcagccct ataggctcca acaagcaatc 240
 gcagcaagca acataccttt atcacccttg ttgtttcaac aatcgccagc cctatctttg 300
 gtgcagtcac tggtacaaac catcagggca cagcagctgc agcaactcgt gctacctgtg 360
 atcaaccaag tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca 420
 ttcaaccaac tgtctacact gaaccctgct gcttatttgc agcaacaact attaccattc 480
 agccagctag ctactgccta ctctcagcaa caacaacttc ttccatttaa ccaattggcc 540
 gcactgaacc ccgctgctta ttgacagcag caaatactac taccatttag ccagctagct 600
 gcagcaaacc gtgcttnctt cttgacacag caacagttgc tgcccttc 648

<210> 10373

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B12

<400> 10373

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 ccttgcaaag aggctcgagc tgtaccggag tgcccaatcc gaaattgatg cgttgcatg 120
 gtccaaatag tcttgatggc caagatatct gttcttacct cttgtctggc gattctctct 180
 cctattctgg ggcatatata gctgattttt cgtgtttag gtcagggtcat tttatatatc 240

accggagctg tacggtgtca tggtccttgt gcttgaggat ctagggggg cacttgatc 300
tcgaacaagt tcttacatcg cgctttcggt ccattc 336

<210> 10374

<211> 627

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B2

<400> 10374

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ttgctcgtga tttgtgtaac tacggagcaa gctgcataca gcacaagata gaagatgggt 120
atccttgaga ggatcaagga gattgaggcc gagatggctc ggactcagaa aaataaagca 180
acagaatatc atcttgaca actgaaggca aaactagcaa agttgaggac acaactatta 240
gagcctccaa agggttccag cggaggtgga gatgggtttg aagtcacaaa gtttgggcat 300
ggtcgtgttg cacttattgg atttcccagt gttggaaagt caactctttt aacgatgttg 360
actgggacac attctgaagc tgcattcatat gagttcacia cgcttacttg cattcctgga 420
attgttcatt acaatgatac caaaatccag cttcttgatc ttcttggtat cattgaagga 480
gcttctgaag gcaaggggag tggtaggcag gttattgctg ttgcaaagtc atcagatctt 540
gcgctgatgg ttctggatgc ctcaaagagt gaaggacatc gtcaaattatt aactagagaa 600
ctggaagctg ttgacttcgt ctaacaa 627

<210> 10375

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B3

<400> 10375

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catcctcatc cccactcata ccccgcatc cactccggc ctatccaacc ctgttctagt 120
cgaaacccta caccgcccgc ctccacaccc taatcctacc cccgtggcgg cagcagcaga 180
ggaggctgac gatgactggc tcttaggagg gagcgaaccc ataccggggg tcgacccgac 240

cggcgattgg gccgacgagg acgacgatgg aggggagccc gcacctcccg cgaagcggtc 300
 cacctctgcg gatgatatcg atccgctcat ggggggtggt gcgggggatt ccggggccggt 360
 catccctggg ctctcgtcat catcggcagc tgggtgcggcc gggagcgacg aatgggacag 420
 cgatagcgag gacgacatcc agatcgtgct caacgagacc gatggccgcc cggggcttgt 480
 ggaggatgaa ggagacgacg aagacggtga ggacctcgtc atcgtcgccg acggaccagc 540
 gatggaggag caggattggg gagaggaccc agcagcggca ggtgcagaag gagagcgaat 600
 gacggagggtg agcctggtaa gaacgtggca gca 633

<210> 10376

<211> 619

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-B4

<400> 10376

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 cagcagccca tgccaatggg tggtcagcaa cagggtgttcc ctagagggtgg tcgtggctat 120
 cgctatccta ctggacgtgg aatgcctgat cctggcatgc acagtgttgg tgctgtgatg 180
 ccaccttcat atgagatggg agggatgcca atgagagaag ctgccccca acctgttcca 240
 attggggcgc tagccactgc acttgctaac gccccaccag atcagcagag acttatgctt 300
 ggtgagaacc tgtatcctct tgttgaacag ctggaacgtg agcaggctgc caaggctcact 360
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 ctgaaagcca aggttgctga agccatggag gtctccgct ctgcccagca tctccagcag 480
 agcaatgttt ctactgagca gcagctggct aatctatcat tgaatgatgg cgtcgtctcc 540
 agctgaacgt taatgtttct gatgtttcng aagtgtgcc agtttttgcg tgatactacc 600
 ctatctagag tgtaatgac 619

<210> 10377

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-085-Q1-K6-B5

<400> 10377

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ttttgcttcc ttatgctcct tgggtctttct gcaagtgttg ctaccganac cattttccca 120
caatgctcac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
tcaatgtgtg aaacccaat tgttcaacc tacaggatcc aacaggcaat cgcaacaggc 240
atcttaccat tatcacctt gttcctccaa caaccgtcag ccctattaca gcagttacct 300
ttggtccatt tgggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
aaccttgctg catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420
aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgcctacccc 480
cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta tttacagcag 540
caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgaacaac 600
aacagttggt gccgttctac ctgcacgcta tgcctaacgc tggcac 646

<210> 10378

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B6

<400> 10378

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gcttccattc aaccaactgg ctgtgtcaaa ctctgctgcg tacctacaac agcgacaaca 120
gttacttaat ccattggcag tggctaacc attggctgct accttctgc agcagcaaca 180
acaattgctg ccatacaacc agttctcttt gatgaaccct gccttgacgc aacccatcgt 240
tggaggtgcc atcttttaga ttacatatga gatgtactcg acaatggtgc cctcataccg 300
acatgtgttt cctagaaata atcaatatat tgattgagat ttatctcgat 350

<210> 10379

<211> 629

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-085-Q1-K6-B7

<400> 10379

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cgtctagcag cagccaccgc cgcctcatcc tgcagccgc cgtcctgctc tccgtgctcg 120
cggctgccag cgccagcgcc gggacctcct gcggtgccggg gtggggccatc ccgcacaacc 180
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tggagggccg cctagaggac ctgccgggct gcccgcggga ggtgcagagg ggattcgccg 420
ccaccctcgt cacggaggcc gagtgcaacc tggccaccat cagcggcgct gccgaatgcc 480
cctggattct cggcggcgga acgatgccct ccaagtaact gcgaagagca tagtgcata 540
ggaatgagct tgtagctagc tcatatgtct gaataataag cacagcaaga agatgaatgc 600
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<210> 10380

<211> 627

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-B8

<400> 10380

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cgtactgagc cggatttgca tcgtattgtt acatgtttgt ccatcgcagc ttcaatggag 120
ggagaaaatg accaaaacaa ccaactagag gaaccgtaca ttcaaccttt tattcttcgg 180
ctactcatca tatggcttgt tgattgttca aatgctgtca actgcctttt ggaatcagcg 240
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ggattggctg ctgttgttct aggtgcttgc atcctgtaca atgctagccg tgagaagggt 360
cgtgatgcct ttgccgtggc agatgctata agtcaaaaga ttggcctcac aacatacttc 420
ttgaggtttg atgaactgag gaaaagcttg gcacatccgt tgtcagagca gcatcaccgc 480

aaggagcttt cccgatcaag tgccaatagc atgtcagatt tccaagagat tgaagaggat 540
gaaacaaata anggcgatca acaccctgtg ctttcagaaa tatttgattc acagtttggt 600
aatttactta ctaagcttga tgctgat 627

<210> 10381

<211> 650

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B9

<400> 10381

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ctgtgcagaa gatgggtgat ccttacttgc ctgaagagat gcggaaccca aattcattta 180
agtggatgct gcagaatcca atgtaccgcc aacaactaca ggatatgcta aataacatgg 240
gcgcaactcc tgatcaatgg gataaccgca tgcttgatca ccttaagaac ttcgacctta 300
gcagtccaga agtgcggcag cagtttgccg aagttggcat gactcctgag gaagtagtat 360
cgaaaataat ggcaaaccca gatgtagctg ttgcattcca gaatccaaaa atacagacag 420
ccatcatgga ctgctcgcag aaccctctta acattgtaaa ataccaaaat gacaaggagg 480
tcatggatgt tttcatgaag atatcacaaa tcttccccc aattaacggc tagctgatct 540
tcgtcgtgag atagcacttg tgtattttgt cggcccgctc tctccagtct ggagggctgc 600
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<210> 10382

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C10

<400> 10382

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ctaaaaaacg ttcctacacc agcgtactct gcttccttaa tccattggca gtggcctaac 120
ccattggctg ctcccttctt gcagcagcat caacaattgg tgccttttat ctcaattctc 180

tttgatgaac cttgctttgg tgttaccgt cgttgggggt gccatctttt agattccata 240
 tgagatgtac tagacaatgg tgccctcata ccgacgtgtg tttcctagaa atgatcaa 298

<210> 10383

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C11

<400> 10383

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 catcttacct ttatcacctt tggtccctcca acaatcatca gccctattac atcagttacc 120
 tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 180
 aaaccttgct gcctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt 240
 gaactctgct tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta 300
 cccccagcaa tttcttccat tcaaccaact ggcagcattg aactctcctg cttatttaca 360
 gcagcaacaa ctactacatc tcagccagct agctgggtgt agccctgcta ccttcttgat 420
 acaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctggca ccctcttaca 480
 actgcaacaa ttgctgccat tcaaccaact tgctttgaca aaccagcag cgttctacca 540
 acaaccatc attgggtggg ccctctttta gatttcttat gagttatagt tcaataataa 600
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<210> 10384

<211> 652

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C12

<400> 10384

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 cgggcagcga tccaaggcag ccgtcgacgg cgaagccata cgcgcgcgcg aagctgtcgc 120
 cccaggacct acccatcgac tatgcaggct tctcgcgcgt cgccttcggc gtctcggcg 180
 tcatgctccg ctacaagggt tgctcgtgga tcgcaatcat cttctgcgct cagtcggttg 240

caaacatgaa gaactttgag aacgatctga agcagctttc tatggccttc atgtttgctg 300
 ttatgggtct ggtgacgaac tattttggcc ccgctcgtcc aggcagtaca aagcgctaaa 360
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 catcggtgct gacattatgt atgtccaatt tgagcaaacg tcataggtat gggcatcaaa 480
 ttaatggacc ggtacatgta tgatgctcaa taatttattt gtgcaatact agtaaacgca 540
 tagactgttt gaacgagtac ttggttttctc cggatatgtt gatcaatgtt ttctggactt 600
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<210> 10385

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C2

<400> 10385

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 ggaggagaat tcaaaggatc aattgctcag agtgctagag actcgcaaaa cagtcttacg 360
 taaagaacaa gctatggcct ttgcacgtgc tgtagcagca ggatttgaca tcgacaactt 420
 ggtgtatctg atcacttttg cagagtgttt tgggtgcttct cgcttgatgt ggtgactgag 480
 tgtctaaagg atgaacctga ggagccaacc ttgggcgcgg tggagaaacc ttaccaggcc 540
 ccctttgcta gggtgacatc gctggcgaat gcatcagaca gcagtcatt acctgaatca 600
 cttgcgcatg caaatagcat taaagctcga gtgcctgagc ctgtgtacac agtttcagtt 660
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<210> 10386

<211> 630

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C3

<400> 10386

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tttatctttt actaagttca acattgagat ggaccataaa acatacctct gtcccaaaat 120
ataggtactc ctaggtttga gtcaaactgt tttagttttg accaggttta ttacgaaaaa 180
tatctacaca agtacattgt aaaaagttat tttataattg gtatagcgat actaatttag 240
tgttctacat gttgataatt tttactatga tttagtcaac cctaacttcg ttttaacca 300
agaatttttg gatggacaaa atggttcttt caataacceca ttgttttggt ttatatgttg 360
atcagctcat cacaatggct ttgatagtga ctttgctttt taagggtgcag tcaatacaca 420
tggcatctag caaatcatag aagaagctat ttgcagaaga agttatttgc acaggaaaca 480
ccatgctatt gccaccctc tccgtggcac ctgatggatt cgttctttgg ggaaacattt 540
tgttggctag gaaaccact tattccgcgt gggtcaccag catctcttcg aatttgaatc 600
aagtaaatg tcaaagagaa aacttgttct 630

<210> 10387

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C4

<400> 10387

cacttcacaa acgaaaacc gcagcaaacy ctagcagcgg cggcgccggc agttggtagc 60
cgcgaccgag acacggcggg tgacctgcc cgcgcagtc ggggtgtatg tattaccacc 120
gccagaattc caggagacga ggatcgagga ggcaccgatc cgtagcggcg atatcgtaga 180
gccgctggtc tcacgccgca ccgagacaat ggcagaccag ttagggctctt acactattag 240
atcccatgga atgatattgg caaggttgca catgtatgac tggataatac ttctctctct 300
tgctgtcata gacgggctgt tgaatataat tgaaccattt caccgttttg ttgggaaaga 360
catgatgact gacttgagat atcctatgaa gggcaataca gtgccatttt gggctgttcc 420
actgattgga attatactgc cttgggccat ctttggtggg atttacttca aaaagaagaa 480
tttttatgat ttgcaccatg gcatactggg gattctatac tcagtgcgtga taactgcagt 540

gattactgat gcaattaagg atggtgttgg acggcctcgt ccagattttt tctggcgctg 600
 tttccctaatt ggaaatgatg tttatg 626

<210> 10388
 <211> 660
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C5

<400> 10388

gtcgaccag cgtccgaatt tttgagcatt cagaaaccac caagcgaagc gcactagcaa 60
 caacctaaca acaatggcta ccaagatatt atccctcctt gcgcttcttg cgcttttttg 120
 gagcgcaaca aatgcgtcca ttattccaca atgctcactt gctcctagtt ccattattcc 180
 acagttcctc ccaccagtta cttcaatggc cttcgaacac ccagctgtgc aagcctatag 240
 gctacaacaa gcgattgcgg cgagcgtctt acaacaacca attgccaat tgcaacaaca 300
 atccttggca catctaaca tacaacccat cgcaacgcaa cagcaacaac agttcctacc 360
 agcactgagc cacctagcca tgggtgaacc tgctgcctac ttgcaacagc agctgcttgc 420
 atccaaccca cttgctctag caaacgtagt tgcaaacag caacaacaac aactgcaaca 480
 gtttctgcca gcgcttagtc aactagccat ggtgaaccct gccgcctacc tacaacagca 540
 acaactgctt tcatctagcc cgctcgctgt ggccaatgca cctacatacc tgcaacaaga 600
 attgttgcaa cagattgtac cagctctaac tcagctagct gtggcaaacc ctgttgcccta 660

<210> 10389
 <211> 480
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C6

<400> 10389

gcacaagtgt ttgtagttgt tgtgctagca aaccttgctg cctactctca gcaacagcag 60
 tttcttccat tcaaccaact agctgcattg aactctgctt cttatttgca acaacaacaa 120
 ctaccattca gccagctacc tgttgcttac cccaacaat ttcttccatt caaccaactg 180
 gcagcattga actctcctgc ttattttacag cagcaacaac tactaccatt cagccagcta 240

gctgggtgtga gccctgctac cttcttgaca caaccacagt tgttgccgtt ctaccagcac 300
gctgcgccta acgctggcac cctcttacia ctgcaacaat tgctgccatt caaccaactt 360
gctttgacaa acctagcagt gttctaccaa caacccatca ttgggtgggtgc cctcttttag 420
atttcttatg agttatagtt caataataaa gttttttgtc tgatgtctgt ggcttcccag 480

<210> 10390

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C7

<400> 10390

caatcgccag ccctatcttt ggtgcagtca ttggtacaaa ccatcaaggc acagcagctg 60
cagcaactcg tgctacctgt gatcaaccaa gtagctctgg caaacctttc tccctactat 120
cagcaacaac aattttcttc attcaaccaa ctatctacac tgaaccctgc tgcttatttg 180
cagcaacaac tattaccatt cagccagcta gctactgcct actctcatca acaacaactt 240
cttccattta accaattggc cgcactgaac ctgctgctt atttgagca gcaaatatta 300
ctaccattta gccagctagc tgcagcaagc cgtgcttctt tcttgacaca gcaacagttg 360
ctgcctttct accagcagtt tgccggctaac cccgcaacc tcttacaact acaacaattg 420
ttgccctttg tccaacttgc ttgacaaac ccagcagcct cctaccaaca acacatcata 480
tggtgggtgcc ctcttttaga ttgcttatta gttgtaatta ataataaagt tttttggatg 540
atgtatgtgg ccaaccagaa ataagaagtt acatttccag attctaattg g 591

<210> 10391

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C8

<400> 10391

tcggcgacca ttttcccgca atgctcgcaa gctcctatag cttcccttct tccccgtac 60
ctctcaccag cgggtgtcttc ggtatgtgaa aaccaattc ttcaacccta caggatccaa 120
caggcaatca cagctggcat cttaccttta tcaccttgt tctccaaca atcatcagcc 180

ctattacatc agttaccttt ggtgcattta ttggcacaaa acatcagggc acaacaacta 240
 caacaacttg tgctagcaaa ccttgctgcc tactctcagc aacagcagtt tcttccattc 300
 aaccaactag ctgcattgaa ctctgcttct tatttgcaac aacaacaact accattcagc 360
 cagctacctg ctgcctaccc ccagcaatct cttccattca accaactggc agcattgaac 420
 tctcctgctt atttacagca gcaacaacta ctaccattca gccagctagc tgggtgtgagc 480
 cctgctacct tcttgataca accacagttg ttgccgttct accagcacgc tgcgcctaac 540
 gctggcaccc tcttacaact gcaacaattg ctgccattca accaacttgc tttgacaaac 600
 cagcagcgtt ctaccaacaa ccatcattgg tgggtgccct 639

<210> 10392

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-C9

<400> 10392

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 ctctttcaag aagattgcaa gatccatggg atacggcgag gatgatctcc ctctagtatc 120
 atttcagtct gtctccaaag gatactatgg agagtgtggt aaaagaggag gttacatgga 180
 gattactggc ttcagtgtc cggtaaagaga gcagatctac aaggtagctt cagtgaacct 240
 gtgctccaat atcactggtc aaatccttgc gagcctcgtc atgaatccac caaagggttg 300
 ggacgaatca tatgcttcct acaaggcaga gaaagatgga atccttcagt ctttagctcg 360
 ccgtgcaaag gcaactggaag atgcattcaa cacgcttgag ggattttcat gtaacaaggc 420
 tgaaggagca atgtaccttt tccctcagat ccatctgccata cataaggcaa ttgaggctgc 480
 taaagctgcc aagaaagcac ctgatgcatt ctatgcgtc cgtctccttg aatcaactgg 540
 attgttggtg ttcttggtatc tggatttggc caagttcctg gaacatggca cgtcagatgc 600
 acgatcctgc nccgagaaga taaaatcnnc cgcgtgatca ccca 644

<210> 10393

<211> 584

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-D11

<400> 10393

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 ccgcagctgc ctgctcgcca ttactgcaag ctgtgttcaa tcaaagctta attaggctcc 120
 ctctacatct gatccagcta agtagctagc cagcactaca gaagggcgtg gcaagaatca 180
 ggagagagat agcagggggg ctagctagct gagctcgtgc gacgaagaat ggccggaatt 240
 ggcaggaaca tggctggcgcc gctcctggtg ctcaacctca tcatgtacat catcgtcatc 300
 ggcttcgcga gctggaacct gaaccacttc atcaacgggc agaccaacta ccccgcgctg 360
 gccggcaacg gcgcgacgtt ctacttcctg gtgttcgcca tcctggccgg cgtggtgggc 420
 gcggcgcca agctggcggg cgtgcaccac gtgcgcgcct ggcgccacga cagcctggcc 480
 accaacgccg cgtcgtcgtc catcgcctgn gccatcacgg cgctcgcctt cgggctggcc 540
 tgcaaggaga tccacatcgg cggacaccgc ggctggcgcc tgca 584

<210> 10394

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-D12

<400> 10394

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 tcgttgccct tgctctcctg gcgctogctg cgagcgccgc ctccagtaca agcggcggct 120
 gtggctgcca gacaccaccg ttctcatctac cgctccgtt ctatatgccg cctccgttct 180
 atctgccgcc gcagcagcag ccgcagccat ggcaataccc cactcaacca ccgcagctaa 240
 gcccgctgcca gcagttcgga tcctgcggcg tcggcagcgt cggcagcccg ttcttgggcc 300
 agtgcgctga gttcctgagg caccagtga gcccgggcgc gacgccctac ggctcgccac 360
 agtgccaggc gctgcagcag cagtgtgtgc accagatcag gcaggtggag ccgctgcacc 420
 ggtaccaggc gacatacggg gtggctcctgc agtccttcct gcagcagcag ccgcagggcg 480
 agctcgccgc gctgatggcg gccaggtag cgcagcagct gacggcgatg tgcggtctgc 540

agctgcagca gccagggtccc tgcccttgaa cgcagctgcc ggcggtgtct actactgagg 600
 aaactatgta ctgtagtaat aatgtaatgg agccgctgac tagctaccta tagggc 656

<210> 10395
 <211> 654
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-D2

<400> 10395

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 ccaccccttat gtccttgct cttctgcac gtgttgctaa cgcgaccatt tttcctcaat 120
 actcacaagc tcctatagct gcccttcttc ccccatacct tccatcaatg accgctttag 180
 tatgtgaaaa ccagccctt caaccctaca ggatccagca agcaatcgca acaagcaact 240
 tacctttatc acacctgttc tttcaacaat cgccagccct atctttgggtg cagtcattgg 300
 tacaacccat cagggcagaa cagttgcagc aactcgtgct accagtgatc agccaagtag 360
 ctctggcaaa cctttccccc tactctcagc aacaacaatt tcttcattc aaccaactgt 420
 ctatactgaa cctgctgct tatttgagc aacaacaact actaccattc agccagctag 480
 ctactgccta ctctcagcag caacaatttc ttccatttaa ccaattggcc gcactgaacc 540
 cctctgctta tttccagcag caaatactac taccatttgg ccagctagct acaacagccc 600
 cgcttcttc ttgacacaca acaagtgtt cgttctacc agcagtttgt ggct 654

<210> 10396
 <211> 613
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-D3

<400> 10396

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 cacccttggt cctccaacaa ccgtcagccc tattacagca gttaccttg gtccatttgg 120
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat 180

actctcagca acatcagttt cttccattca accaactggc tgcattgaac tctgctgctt 240
 atttgcaaca acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc 300
 cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 360
 cattcagcca gctagctgat gtgagccctg ctgccttctt gacacaacaa cagttgttgc 420
 cgttctacct gcacgctatg cctaacgctg gcaccctctt acaactgcaa caattgctgc 480
 cattcaacca acttgctttg acaaaccctc cagtgttcta ccaacaaccc atcattnngt 540
 ggtgccctct tttagattgc ttatgagtta tagttcaa atgaagttt ttggatgatg 600
 tttgtggcgt ccg 613

<210> 10397

<211> 613

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-D4

<400> 10397

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 ggcaggccgg cgggtggctg ctcgactacg cgctgggtgga ggaggagatc cagggtccg 120
 agttcatcta catggtcgac gaccgggcgc tctccagcgt gatactgggg tttgatgctc 180
 ccaggaaaga ggacggcgtc caggacaacc ccggcgccaa gaagagatcc cggccggagt 240
 ccagcgcgcc acccggcacc aaggcttgcc gtgagaagct ccggcgagac aggctcaacg 300
 aaaggttcaa cgagctctgt gccatcttgg aaccggcaa gccaccaag gccgacaaag 360
 tcgctatcct aagcgacgct gcccgctctc tgaaccagct gcaggcgag gccagaagc 420
 ttaagcaatc gaacgaatcg ctccaggagt ccatcaagag tcttaaggct gagaagtccg 480
 agctgcgaga cgagaagacg aggctcaagg ctgagaagna gaggttgag cagatgctca 540
 agggcgctcg cagccacgcc ggggtggctg ctccgggcc ttcgtcccga cctgctgcg 600
 gtcgctccat ctt 613

<210> 10398

<211> 588

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-085-Q1-K6-D5
 <400> 10398

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 ggctaccaag atattatgcc tccttgcgct tcttgcgcgc tgtgcgagcg caacagatgc 120
 gtgcattgtt ccacattgct cacttgctcc tagttccatt attccacagc tcctgcgggg 180
 ggggcttcac tggcctttga acaccagcg gtgcaagcct atcggctaca ccaagcgatt 240
 gcggcgagcg tcttacaaca accaattgcc caattgcgac atcaatgctt ggcgcatcta 300
 acattacaââ ccatcgcac gcaccaggaa cgacagttcc taccagcagt gagccaccta 360
 gccatggtga accctgtcgc ctacttgcaa cagcagctgc ttgcatgcaa cccacttgct 420
 ctggcggacg tagttgcaat ccagcgacag caacaactgc gacagttgct gccagcgctt 480
 agtcgactag ccatggtgaa ccctgccggc tacctgcgac agcggcaact gctttcatct 540
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<210> 10399
 <211> 483
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-D6
 <400> 10399

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaatTT aaaaaaaaaa 120
 aaaaaggggg gggccgtttt taagggttca aatTTTgctt cccgTTTTTT ggaactTTTT 180
 TTTTTTTTTT TGGGGGCCCT taatTTTatt TctTTggccg ggtTTTaaca cctagtgggg 240
 gggaaacccc ttggtttccc ccattTTatt gctTTggaag aacttcccc tttgcccgTT 300
 ggggtttatc ccaaagggcc cccccgTtc cccctttccc aactttggcc ccctctggtg 360
 gggagtggga cccccTTTT tcggggcttt ttaatcgggg gggTgggggt gtttcccccc 420
 atcggTgcct tttactTTTT tcggggcccta gacccccgTT tttttgTTTT tttccccTT 480
 ttt 483

<210> 10400
 <211> 114
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-085-Q1-K6-D8

 <400> 10400

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 aataaagttt tttgtctgat gtttgtggct tcccagaata agaaagtcac ttct 114

<210> 10401
 <211> 299
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-085-Q1-K6-D9

 <400> 10401

 agcaacatag taagtggaat ccagtagcaa caatagagca acaatggcga ccaagtaatt 60
 atccctcctt atgctccttg ctctttctac atgtgttgct aacgcgacaa tttccctca 120
 atgctcacia gctcctatag cttcccttct tccccatac cttccatcaa ttatagcttc 180
 aatatgtgaa aaccagctc tacaaccata taggcttcaa caagcaatcg cagcaagcaa 240
 catacctgca tcgcctcgg tggttcaaca atcgtagcc ctatctttgg tgtagttat 299

<210> 10402
 <211> 629
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-E1

 <400> 10402

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 aatattttgc ctcttatgc tcttgggtct ttctgcaagt gctgctacgg cgaccatttt 120
 cccgcaatgc tcgcaagctc ctatagcttc ccttcttccc ccgtacctct caccagcgg 180
 gtcttcggta tgtgaaaacc caattcttca accctacagg atccaacagg caatcacagg 240
 tggcatetta cttttatcac ctttggctct ccaacaatca tcagccctat tacatcagtt 300

acctttggtg catttattgg cacaaaacat cagggcacaa caactacaac aacttgtgct 360
agcaaaccctt gctgcctact ctcagcaaca gcagtttctt ccattcaacc aactagctgc 420
attgaactct gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc 480
ctacccccag caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt 540
acagcagcaa caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt 600
gatacaacca cagttgttgc cgttctacc 629

<210> 10403

<211> 494

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-E10

<400> 10403

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acagcgacaa cagttactta atccattggc agtggctaac ccattggctg ctaccttctt 120
gcagcagcaa caacaattgc tgccatacaa ccagttctct ttgatgaacc ctgccttgca 180
gcaaccctac gttggagggt ccactcttta gattacatat gagatgtact cgacaatggg 240
gccctcatal cgacatgtgt ttcttagaaa taatcaatat attgattgag atttatctcg 300
atnaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nnnnaaaaaa aaaaaaaaaa 420
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nnaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaagg gggg 494

<210> 10404

<211> 666

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-E11

<400> 10404

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ctcacgaggc gaccagcggc ggaccctccg cggcgcaacc atggggctct tcaactgtgac 120
gaagaaggcc accacgccct tcgacggcca gaagcccggc acctccggcc tccgcaagaa 180
ggttactgta ttccagcagc cccattatct gcagaacttt gtccaatcaa cattcaatgc 240
ccttcctgtg gatcaagtaa gaggtgcaac aattggtgtc tctggtgatg gccgctattt 300
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agttggtgca gatggatcaa aggctactgg tgccttcac ttgacagcga gccataaccc 480
aggtggtcct aaggaggact tcgggatcaa atacaacatg ggaaatggtg ggctgtctcc 540
tgaatctgtt accgacaaga ttttctctaa tacaacgaca atctctgaat acctcatctc 600
tgaagaccta ccagatgttg atatttctgt tgtcgggtgc accagcttca gtggacctga 660
aggcca 666

<210> 10405
<211> 261
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-085-Q1-K6-E12
<400> 10405

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gtgcccgtg cagctgcagc agccagggtc ctgcccttgc aacgcagctg ccggcggtgt 180
ctactactga ggnnaaacta tgtactgtag taataatgta atggagccgc tgactagcta 240
cctagctcgc tagtttactc a 261

<210> 10406
<211> 99
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-085-Q1-K6-E4
<400> 10406

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tcctaaacta acaaacaaca tgcattgcaaa aaaaataga

99

<210> 10407

<211> 567

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-E5

<400> 10407

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tcggtttcgt ggggtggcgg atcgagatgg cggcgctcga tgttgagtac cgctgcttcg 120
tcggcggcct cgctgggccc acggacgacc actccctcca caacgccttc agcacctacg 180
gcgaggtcct cgagtccaag atcatcctcg atcgggagac gcagaggtcc cgcggcttcg 240
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<210> 10408

<211> 612

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-E6

<400> 10408

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cgagaaggac gtatacgaca acgtcgcgca cgcgttcgtg aagatcctac gcgacgaggg 180
cccgtcggag ctgtaccgtg ggctgacacc cagcctgata ggcgtggtgc cgtacgcggc 240
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tcccggcgcg gacgtgggcc ccgtggcgac gctgctcatc gggtcggcgg cgggcgccat 360
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gggcgccggc ggctgtacc gaggtctcgg ccctagctgc atcaagctca tgcccgcgc 540
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<210> 10409

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-E8

<400> 10409

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gcttcttatt tgcaacaaca acaactacca ttcagccagc tatctgctgc ctacccccag 180
caatttcttc cattcaacca actgacagca ttgaactctc ctgcttattt acagcagcaa 240
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caattgctgc cattcaacca acttgctttg acaaaccag cagcattcta ccaacaaccc 420
atcattggtg gtgccctctt ttagatttct tatgagttat agttcaataa taaagttttt 480
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<210> 10410

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-E9

<400> 10410

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atggttaagca tccagctgtg cacgaagatg gtgtctccct acttgctgt agagatgcgg 180
 caccctaaatt catgggggtg gatgctgcag aatccaatgt cccgcctaca actacaggat 240
 atgctaaata acatgggcgc aactcctgat caatgggata accgcatgct tgatcacctt 300
 aagaacttcg accttagcag tccagaagtg cggcagcagt ttgcgcaagt tggcatgact 360
 cctgaggaag tagtctcgaa aataatggca aaccagatg tagctgttgc attccagaat 420
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 caaatgaca aggaggtcat ggatgttttc atgaagatat cacaatctt cccctaaatt 540
 aactgctagc tgatcttcgt cgtgggatag cacttctgat tttgtcggc ccgtcatctc 600
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<210> 10411

<211> 632

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-F1

<400> 10411

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 cctcaatact cacaagctcc tatagctgcc cttcttcccc cataccttcc atcaatgacc 180
 gcttcagttt gtgaaaacc agcccttcaa ccctacaggc tccaacaagc aatcgcaaca 240
 agcaacttac ctttatcacc cctgttcttt caacaatgcg cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggcaacaac ctgcaacaac tcgtgctacc agtgatcagc 360
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
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 cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 540
 ctgaaccctt ctgcttattt ccagcagcaa atactactac cattttggcc agctagctac 600
 aacaagcccc actttctttt ttgaaacaac aa 632

<210> 10412

<211> 643

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-F10

<400> 10412

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ctgtggctgc cagacaccac cgtttcatct accgcctccg ttctatatgc cgctccggtt 180
ctatctgccg ccgcagcagc agccgcagcc atggcaatac cccactcaac caccgcagct 240
aagcccgtgc cagcagttcg gatcctgcgg cgtcggcagc gtcggcagcc cgttcctggg 300
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acagtgccag gcgctgcagc agcagtgctg ccaccagatc aggcaggtgg agccgctgca 420
ccggtaccag gcgacatacg gtgtggctct gcagtccttc ctgcagcagc agccgcaggg 480
cgagctcgcg gcgctgatgg cggcccaggt agcgcagcag ctgacggcga tgtgcggtct 540
gcagctgcag cagccaggtc cctgcccttg caacgcagct gccggcgggtg tctactactg 600
aggaaactat gtactgtagt aataatgtaa tggagccgct gac 643

<210> 10413
<211> 648
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-F11

<400> 10413

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cgacaaaactc cagtcgatgc cacaagttca ctgatgtggc atgccccatg agcccagtta 180
ttcgaaaaag ttacgctgga gatgctttgc tgcaagtttg aacttagaag atggccctgc 240
accctctgac tcgacgtcat cttcatcaga gcagactact gatgctgatg gaactactaa 300
tgggtgatgta tctgaaaatc tgctttctcg aaagccgagc tctgatgagt taaaggctct 360
tttggctgat tcggaacgaa gtaagctttt gagaagactc agtgaagcaa atcaatataa 420
ccgattcctc aagagacagt tgcaaataaa ggatgatgca gtcgtaaaat tcaaagggtga 480

acttgcggtt ttggaactag aactgcaggc tctggttggc ctagctgaag aggttgctaa 540
 ttttgatggt ccgttagggg ctaggaagat aaacggaaaa tatattcaat ctcatcttct 600
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<210> 10414

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-F12

<400> 10414

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 cagcaacaac cacaacagcc tcagcaatat cagcagggcc caggaaaaat cacaacagca 180
 acaatgtcat tgccaggagc agcaacagac tacaaggtgc agctataact actatagcag 240
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 gcctttttctc caatcacgtt tgatacaacc aagtagctgc caggtattgc agcaacaatg 360
 ttgtcatgat cttaggcaga ttgagccaca atacattcac caagcaatct acaacatggt 420
 tcaatccata atccaggagg agcaacaaca acaaccatgt gagttatgtg gatctcaaca 480
 agctactcaa agtgcggtgg caatcttgac agcagcacia tacctaccat caatgtgcgg 540
 cttgtaccac tcatactacc aaaataatcc atgcagcagc aatgacatta gtgggtgttt 600
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<210> 10415

<211> 608

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-F3

<400> 10415

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cttcttcagt caagcagcaa tcatgcaaca tgccttactg tagtttttta tcaactgcaca 180
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 acttatatta tgccttaaga caatagtatt gttttcactc taatgaatac ttgtnaaaaa 600
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<210> 10416

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-F5

<400> 10416

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 caggcagtgg ctctcccc ctcttttga tatcagctca tcgattcgtc ctatcacaca 180
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 aaaaaaaaaag tccttggtga gttgtgtgat cgggttctgg tggtgactgt tactgggggt 300
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 ggaagtggac agaaagaaga atttgagat tggatccaag gggaaggagg ttcagagcaa 480
 gaatccgagg cgggaggagc cgctggcatc gtgggaggtg gacatggatg agccagacgc 540
 tcctganagc ggtacatgat tgttgatggc aacatggctg ctccagaagg agccccttgc 600
 agcccatgga ttccaagaat tcaagggtg tgcggtaagc cacnatcgtg agc 653

<210> 10417

<211> 591

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-F6

<400> 10417
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 caatgctcgc aagctcctat agcttccctt cttcccccggt acctctcacc agcgggtgtct 180
 tcgggtatgtg aaaacccaat tcttcaaccc tacaggatcc aacaggcaat cacagctggc 240
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 aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg 420
 aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgcgtcctac 480
 cccagcaat ttcttccatt caaccaactg gcagcattga actctcctgc ttatttacag 540
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<210> 10418
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-F7

<400> 10418
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 accggtggtt ggtgaggagg cggaggccag ggccagggcg cgcgccgaga ggcggagccg 180
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 ggccggccgc aggagggaga tggaggatgc cgtgtccgtg cgcgacgcgt tctgcgcgga 360
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caccgccgcc gacagctcag tctccgcggc ggccggcctgg accgtggcga tggaacgcag 540
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<210> 10419
 <211> 628
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-F8

<400> 10419

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 ccaaactgga catatgtggg ttcaaagact aagattttag ttgctggtaa catcctgaat 180
 gacagtcaaa tcaccgagag atgcaagtgg tcatgtatgt ttggagaagt tgaagttcca 240
 gcaaagattt tagcagatgg tactctcacc tgttattcgc ccagcataa actcggtcga 300
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 gtttatttcc agatacgcct tgacaagttg ttgtcccttg aaccagatga gtaccaggca 480
 actgtatcta accccagcct ggagatgatt gacttaagta agaagataag ttcactgatg 540
 gcgagtaatg atgagtggtc ncaacttgct aaagtggctg ttgataatga gccttctact 600
 gctgatacca tgatcagttt gttgaaaa 628

<210> 10420
 <211> 641
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-F9

<400> 10420

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caattttccc tcaatgetca caagctccta tagcttcctt tcttccccca taccttccat 180
 caattatagc ttcaatatgt gaaaaccagc ctcttcaacc atataggctt caacaagcaa 240
 tcgcagcaag caacatacct ttatcgccct tgttggttca acaatcgcca gccctatctt 300
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 tgatcaacca agtagctctg gcaaaccctt ctccctactc tcagcaacaa caatttcttc 420
 cattcaacca actgtctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat 480
 ttagccagct agctactgcc tactctcagc aacaacaact tcttccattt aaccaattgg 540
 ccgcactgaa ccccgctgct tatttgcagc agcaaatact actaccattt agccagctag 600
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<210> 10421
 <211> 363
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-G1

<400> 10421

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<210> 10422
 <211> 355
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-G12

<400> 10422

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catctaacc tacaaaccat tgcaacgcat caacaacaac aacaggttct gccatcactg 180
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<210> 10423

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-G3

<400> 10423

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<210> 10424

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-G4

<400> 10424

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 accccgatcc tgggccagtg cgtcaggttc ctgaggcatc agtgcagccc gacggcgacg 480
 ccctactgct cgcctcagt cagtcgttg cggcagcagt gttgccagca gtcaggcag 540
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<210> 10425

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-G5

<400> 10425

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<210> 10426
 <211> 620
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-G6

<400> 10426

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<210> 10427
 <211> 638
 <212> DNA
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<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-G7

<400> 10427

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tttccctcaa tgctcacaag ctcctatagc ttccttctt ccccatacc ttccatcaat 180
tatagcttca gtatgtgaaa acccagctct tcaaccatat aggcttcaac aagcaatcgc 240
agcaagcaac atacctttat cgcccttggt gtttcaacia tcaccagccc tatctttggt 300
gcagtcattg gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat 360

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caaccaagta gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt 420
 caaccaactg tctacactga accctgctgc ttatttgcag caacaactat taccatttag 480
 ccagctagct actgcctact ctcagcaaca acaacttctt ccatttaacc aattggccgc 540
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<210> 10428

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-G9

<400> 10428

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 cctccttgct ctttcagcaa gcgttgctac cgcgactatt attccacaat gtcacaaca 120
 atacctctct ccggtgacag ccgcgagatt tgaataccca actatacaat cctacaggct 180
 acaagaggcc atgcagcaa gcatcttacg gtcgttagca ttgaccgtcc aacaaccata 240
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 cttgcaggca caacagctac taccattcaa ccaacttgctc aggagccctg ctgccttctt 480
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<210> 10429

<211> 674

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H10

<400> 10429

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gctccttat gtccttgggt ctttctgcaa gtgctgtac ggcgaccatt ttcccgaat 120
gctcgcaagc tcctatagct tcccttcttc ccccgtagct ctcaccagcg gtgtcttcgg 180
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ctgctttctta ttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc 480
agcaatttct tccattcaac caactggcag cattgaactc tctgtcttat ttacagcagc 540
aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac 600
cacagttgtt gccgttctac cagcacgctg cgcctagcgc ntgcaccctc ttacaactgc 660
aacaattgct gccca 674

<210> 10430

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H12

<400> 10430

tagcaacata gnaaagcaca atagtgtacc aacaatggca gccaaaattt ttgcctcctt 60
atgctccttg gtctttctgc aagtgtgct acggcgacca ttttcccgca atgctcgcaa 120
gctcctatag ctcccttctt tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
aaccgaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240
tcacccttgt tctccaaca atcatcagcc ctattacatc agttaccttt ggtgcattta 300
ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt 480
cttccattca accaactggc agcattgaac tctctgctt atttacagca gcaacaacta 540
ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgatata accacagttg 600

ttgccgttct accagcacgc tgcgcctaaa cgtgcaccc tcttacaact g 651

<210> 10431

<211> 708

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H3

<400> 10431

accggatcca gcccttcccg gggtagagttt tatttggaag gaggagccat ggttttggct 60
gatggtaggag tagtttgtat cgatgaattt gacaagatga gacctgaaga cagagttgca 120
attcatgagg ccatggagca gcagacaata tctattgcca aagctggcat tacaacagta 180
ctcaattcaa ggacttcagt tcttgtagct gccaatccaa ttgcaggacg ctatgatgat 240
cttaagaccg cacaagataa tattgatctg cagacgacca ttctttctag atttgatcta 300
atctttatcg tcaaggatat cagaatgtat gatcaagata agagaatagc aagccacatt 360
atcaagggtgc atgccagtgg tgctgcagct tcatccacaa acacagaggg gagtgaagga 420
gagaattggc tgaaaaggta cattgagtac tgccgcgcca catgcaaacc acggctttca 480
gaaaaagcag ctgagatgct gcagaacaaa tatatcgaga ttagacagaa aatgaggcag 540
caagctcacg agacagggag ggccgcagct ataccatca cggtagaggca gctagaagcc 600
atcatccgtt tgagtgaatc tcttgcaaag atgagattga caagtgtggc tacaccggag 660
catgtcgaag aggcattcag actgttcaat gtctncccg ttgatgct 708

<210> 10432

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H4

<400> 10432

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tccatcctta tgctccttgc tctttctgca tgtgttgcta acgcgaccat ttttctcaa 120
tactcacaag ctctatagc tgcccttctt ccccatacc ttccatcaat gaccgcttca 180

gtttgtgaaa acccagccct tcaaccctac aggctccaac aagcaatcgc aacaagcaac 240
 ttacctttat caccctgtt ctttcaacaa tcgccagccc tatctttggt gcagtcattg 300
 gtacaaacca tcagggcaca acagctgcaa caactcgtgc taccagtgat cagccaagta 360
 gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt caaccaactg 420
 tctacactga accctgctgc ttattttacaa caacaacaac tactaccatt cagccagcta 480
 gctactgcct actctcagca gcaacaattt cttccattta accaattggc cgcactgaac 540
 ccctctgctt atttccagca gcaaatacta ctaccatttg gccagctagc tacaacaagc 600
 cccacttntc ttttgaaaca caacaattgc ttccgttctc cagcagt , 647

<210> 10433

<211> 559

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H6

<400> 10433

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 attgtaagga ggggtgctcct taaaatatca ttgcagtcgg ccatttttgg tgatattgac 120
 cacactaagc ttcaaaccga ttctcttctg cggactccac atatttcagc aatgcaccat 180
 gacgaaacat ctgatctgaa gattgtggcc gaaaattttg aacaaaacct agagattaca 240
 ggcacatcct tggaggctcg taagctgggc gttgaaatct gtgacattgt ggcgacaaga 300
 gcagcccggc tggctgctgc ggggcttgca gggatcctca tgaagatcgg gagagatcac 360
 agcgtcagg accaacgggc agtcatcgcc atcgacggag gactgttcga gcactacacc 420
 aaattccgcc ggtgcttgga gaccacactg ggtgagctgc taggagacga ggcgtccaac 480
 gcggtggcca tcaagcatgc cgatgacggg tcaggaataa gtgctgccct gattgcagct 540
 tcacagtctc agtacaaaa 559

<210> 10434

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-H7

<400> 10434

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caacaacaga gcaacaatgg cgaccaagat ttttccctcc ttatgtcctt tgctctttct 120
gcatgtgttg ctaacgcgac aattttccct caatgtcac aagtcctat agcttccctt 180
cttcccccat accttccatc aatgatagct tcagtatgtg aaaaccagc tcttcagccc 240
tataggctcc aacaagcaat cgcagcaagc aacatacctt tatcaccctt gttgtttcaa 300
caatcgccag ccctatcttt ggtgcagtca ttggtacaaa ccatcagggc acagcagctg 360
cagcaactcg tgctacctgt gatcaaccaa gtagctctgg caaacctttc tccctactct 420
cagcaacaac aattttcttc attcaaccaa ctgtctacac tgaaccctgc tgcttatttg 480
cagcaacaac tattaccatt cagccagcta gctactgcct actctcagca acaacaactt 540
cttccattta accaattggc cgcactgaac cccgctgctt atttgcagca gcaaatacta 600
ctaccattta g 611

<210> 10435

<211> 483

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-A10

<400> 10435

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attattaaca ggggcgctgc gaattgaaac cttaaagtcaa ttaatcctca tcttttctta 120
tgaaattgat catgcagaga gtgaaaaaaaa atataggtca agatcaaaat ggcgccggaa 180
agatgactcc agaccatgtt tattccaatc caactgaatc gaaaataaat tcctagagcc 240
caaaaacact cggcacttca gtgcttgagc accaaggata ggccaacttt cgtgctcttc 300
tcaatgcctt tgggtgtcaac gtcaccagag atggtgacga aggacttggg acaccattca 360
tgctggacaa gggcactggc catgccgtag ttgttgaaac gcgtcttgat agtcgtgtgg 420
ggatccaacg agtgctggga cccgaatatt agcgtgctct catttctcga catgctgtga 480
gac 483

<210> 10436
 <211> 117
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-N6-A11

 <400> 10436

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 ttggnctttt tttttttttt ttttttnngg gggggccccc ctttgggtgtt ttttttt 117

<210> 10437
 <211> 493
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-N6-A2

 <400> 10437

ggggaagaac cctcatttct atacttttga actgcccag cgcgaagcag gatcatttcg 60
 ctctgtgcng cccgaaagcg gcttattgag tcgtttcagt ttctgggtttc actttcagaa 120
 atctctctcc attcaaacag ggagcataca acttgtgaca tgttcgggta ggttcgctta 180
 ttttccttgt gacaacatcc tacagccaag caaggccaac atcaaagctt tatttctctc 240
 aagttttgct cattatgcat tggactgtnt atatcctcta accggaagac atgactacag 300
 ctccaactct atcgcgaggg atgagacgca gctccgaacc atgtttcaga aacacgttgc 360
 ctgcactttg ctggggggttg atgccaattc catcgttggt gatgatggcg ctggtctggg 420
 gcggggcctt gaactccttc gcggcggttct tgagctccgc tggtttgggc gccgèctcgg 480
 gcacgctgta cac 493

<210> 10438
 <211> 590
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-N6-A3

 <400> 10438

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tgcttctatt ttcaaacagg gagatggatt atagtctgtt aactgcctca actaggttac 120
aaggccaaaa ctgcaaccat gatgaatggg tttctacgta aagcgatgtt gaatgtataa 180
atcaaacttc aaacatgcag ccgatcacag cttgtagact ggggtgatcc ctacgagatt 240
gaagcactgt cgcattgaaa cagcagtcgc ttggcaaagc aacagtcggc tcgtctcctc 300
cggtgacccg accacctgac agttgggtata gaattttgtg aacatttcag atagattgta 360
caagtattca cacacaacat ttggaagcag attcgtgcat gcctcttcaa ccacctcagc 420
aaatcgata agatacagcc ccaacacacg ctcatctgga tggtaagag aaatggctcc 480
agtcactctc agatcttncc acatccttgn tggattttcg aataatggaa catatacag 540
catgtgcata ctgaaggtca cagcagtnnt tccctatcgc tcagcatttg 590

<210> 10439

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-A4

<400> 10439

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aactataact cataagcaat ctaaaagagg caccaccaat gatgggttgt tggtagaaca 120
ctgttgggtt tgtcaaagca agttgggtga atggcagcaa ttgttgctgt tgtaagaggg 180
tgccagcggt aggcatacgc tgcaggtaga acggcaacaa ctgttggtgt gtcaagaagg 240
cagcagggct cacatcagct agctggctga atggtagtag ttgttgctgc tgtaaataag 300
cagcagagtt caatgctgct agttgggtga atggaagaaa ttgctggggg taggcagcaa 360
ctagctggct gaatggtaat tgttggtgca aataagcagc agagttcaat gcagccagtt 420
ggttgaatgg aagaaactga tgttgctgag agtatgcagc aaggtttgct agcacaagtt 480
gttgtagttg ttgtgccttg atgttttggt ccaccaaat 519

<210> 10440

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-A9

<400> 10440

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gcaccattat cgagtacatc tcatatgtaa tctaaaagat ggcacctcca acgatgggtt 120
gctgcctcga caagacagga ttcatacaag agaaccgggt gtatggcagc aattgttgct 180
gctgtaggaa ggcagcgacc aatgggttag ccactgccaa tggattaagt aactgttgct 240
gctgttgtag gtacgcaaca gagttcgaca tagttagttg gttgaatgga agcagctgtt 300
gcaagtggc aacagggttt gccacagcta gctgagttag agctgggtaca atctgttgca 360
acaattcttg ttgcaggtat gtaggtgcat tggccacagc gagcgggcta gatgaaagca 420
gttgttgctg ttgtaggtag gcggcagggt tcaccatggc tagttgacta agcgttgga 480
gaaactgttg cagttgttgt tgttgctggt ttgcaactac gtttgctaga gcaagtgggt 540
tggatgcaag cagctgctgt tgcaagtagg cgacagggtt caccatggct a 591

<210> 10441

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-B10

<400> 10441

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aacgagccta cctgtgtcca tgttcagag ctcaaataat gggaacatgc tacatactgc 120
attgctacaa acagtacact ttgtgctggt taaattaaga aaccatggac atgttgagca 180
tcaggctatt aacatcctaa actctaggct tagtaacttt gcttttagcta caattcacag 240
ccaatgggag caccgaata cacacagaac tatgtcaact aatgagttta acttgatata 300
ggcgagatct agcacggaag agtcttgaag cattagaatc agcaaggacc tagtttttgg 360
cgacggtcag ggtgagaaat tctaagctca tgtcacaaca aaataatccc caccatacgc 420
gtaaacttgt attattcatt gtggcatcaa cattattttg attgttcaaa tgggtgcacgc 480
acaaatagct gcccatggag ggtgacaact gcggagggtt ggtgagggtc aatgcgggaa 540
ggcaaaactaa tgaccttctt gaatggagtg acaccccatg tgttatccaa ttgctcaagc 600

<210> 10442
<211> 190
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-B2

<400> 10442

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tgcgagcacg cgnctgaagc taggactcaa gacggccgcc cttttttttt tttttttttt 60
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tgggtgggggt tttgggggttt ttggtggggg ggggggggggt tttttttttt gggggggggg 180
gggtggggggg 190
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<210> 10443
<211> 392
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-B3

<400> 10443

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ttttgggtttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttc cggtnaaacc tttttttttg gcctttttccc tctaggaatt tttattgggg 120
gcccccccaa tgggtgggttg ttggtggggg ggggggggggt ttgtcaaagc aggtggggtg 180
gttgcccccc tttgttgctt ttgtaagggg gggccccgctt tgggcccacc ctgctgggtg 240
aacggcaaca actgggggttg tgtcaagaag gtggcggggc tccccccccc tggctggctg 300
aatgggggtg gttggtgctg ctgttccttt gccgggggggt tcattgcttc ttggggggtg 360
gttgtggaaa attcctgggg gtgtggcccc gg 392
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<210> 10444
<211> 556
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-B4

<400> 10444

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 gcagattact aacaccaaac gagacatata ccacacatgc aatgatacgg tgcattgtact 180
 agctagtaca tccatacaca cacatagctt accaactact gggtattacg gaatatacaa 240
 accatgcatg catcatatct cacaacatgc aatgcagata tagatattac atgcatatct 300
 aatttatgcg aattcatgct tttgccctcc accctccacg ttttcagtac ttccacacgc 360
 catccatctc tatgggtggtg gtgggtgcag gccctggggc ggccacggag atcatcgacg 420
 agatctcagc gccattagcc tggctgctct tctgcgacac catcgaggac ggctactct 480
 ccggcgagc aacatcgaag ccgccagcgc aagcagtcgc cgtgcccatc tgggtggtaga 540
 agctcatggg gctggg 556

<210> 10445

<211> 518

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-B6

<400> 10445

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 atgagggcac cattatcgag tacatctcat atgtaataa aaagatggca cctccaacga 120
 tgggttgctg cctcgacaag acagggttta tcaaagagaa ctgggtgtnt ggcagcaatt 180
 gttgctgctg tnggaaggca gcgaccaatg ggtagccac tgctagtggg ttaagtaact 240
 gttgtcgctg ttgtaggtac gcagcagagt tcgacatagt cagttgggtg aatggaagca 300
 gctgttgcaa gtaggcagca gggtttgcca caactagctg agtcagagct ggtccaatct 360
 gttgcaacaa ttgttggtgc aggtttgtag gtgcattggc cacagcgagc gggctagatg 420
 aaagcagttg ttgctgttgt tggtnggcgg cnggggttcac cntgggttgt tgactgagcg 480
 ctggcagaaa ctgttgacac tgcgttgtgt gctgggtt 518

<210> 10446

<211> 469

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-B8

<400> 10446

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ttttttttga actattactc ataagaaatc taaaagaggg caccaccaat gatgggttgt 120
tggtagaatg cttttgggtt tgtcaaagca cggtgggtga atggcagcaa ttgttgctgt 180
tgtaagaggg tgccagcgtt aggcgcagcg tgctgggtga acggcaacaa ctgtgggtgt 240
gtcaagaagg tagcagggtt cacaccagct agctggctga atggtagtag ttgttgctgc 300
tgttaataag ccggcgagtt caatgctgtc agttgggtgn ctggaagaaa ttgctggggg 360
ttggcagctg atagctggct gaatggtngn nngcgttgtt gcntcttcga ggccgcgncc 420
ancgccgtc gtcggttgaa tggaagaaac ttgctgttgc tgcgcgtgg 469

<210> 10447

<211> 310

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-B9

<400> 10447

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aacaacgctt cgggagaaaa acttattcct cagtccagct gtgttttaat ggaatcccaa 120
attgtacacc cagcctcgtt gaataggaac aagtctgtcc tttgtaaata ctagttcgcc 180
aagatataat cgggtgtccaa attgtctaata tcaactacta gatagggttg cgccaattgc 240
aagatgcatg ttccccgat gcttctttga aacgttcttg catccagaag ttggtgggca 300
cgagcttttt 310

<210> 10448

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-C2

<400> 10448

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gataaaatcg gttcagcctg tgcccaacac aatgccctca tgctggccgt ctaaaactgc 120
caactcccag tcccagacgc tcaagctggt ccaggagcgg tgactttggg gtaatcgggg 180
tccgactgac cctccctctc cgtccaggac ccattcttga ctggcacatt acgctttccg 240
atcctgtaca gcccagagc gtgtttgcag gccgtcacc cggatccgca ggtcacgact 300
atgggtcggg ccaggagat tcctgcgtgc tgaaacttc 339

<210> 10449
<211> 467
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-C3

<400> 10449
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caatgatggg ttgttggtag aacactgcta ggtttgtaa agcaagttgg ttgaatggca 120
gcaattgttg cagttgtaag agggtgccag cgtaggcgc agcgtgctgg tagaacggca 180
acaactgtgg ttgtgtcaag aaggtagcag ggctcacacc agctagctgg ctgaatggta 240
gtagttgttg ctgctgtaaa taagcaggag agttcaatgc tgccagttgg ttgaatggaa 300
gaaattgttg ggggtaggca acaggtagct ggctgaatgg tagttgttgt tgttgcaa 360
aagaagcaga gttcaatgca gctagttggt tgaatggaag aaactgctgt tgctgagagt 420
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<210> 10450
<211> 576
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-C4

<400> 10450
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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180

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tttttttttt tttttttttt tttttttttt ttttaaaaaa aaaaggggga aaaggatttt 240
ttttttgggg ggggggcccc ctctcttcat aaaaaatttt tttttggggt ccccccaaaa 300
aggggtaaaa aagggggggc cccaaaattt ttttttgggg gggggggggc ctcttttttt 360
ataaaggggg gggaaaaag ggaaaaattt tttgtttttg aagggggggg gggggggggc 420
cccaaactgg tggtgaaaag gagaaaacct ttgtttgttg aaaaagaaaa aagggggtag 480
gcctcccttg tgtggtaatg ggggtttttt tttgtgtctc aaaaaaacg ggtgggtgcc 540
ggcggccctt gtgtaaagaa agagaattgt tttttt 576

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<210>      10451
<211>      365
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3061-086-Q1-N6-C5

<400>      10451

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actgtaaaac aagggccctt tttgtccaa caaacttatt gcctggccgg ggggaaaacc 120
cttaacgggg ggaaaacccc aaacaggggg caaaatttag cttttcattt ttaattgggg 180
gaaaaccaca gggatcccaa acttaatcca ccccccccat tttgtttttg ccgggggttt 240
ccccagggg ggggatttaa acttggggcc cagaaaactt gtcctcattt atgctcaaac 300
ccggctttta catgcgatgg atcccggggc caaagggggg ggggccatcc aagcttaacc 360
ccggg                                             365

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<210>      10452
<211>      569
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3061-086-Q1-N6-C6

<400>      10452

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agaggcttga cgtccacctt gccgctgcgc aggaagtoga tgcacagtgg ccaggtgtcc 120
ttgtaccgga acacgcccac cacgtccacc tcccgcgcgc ccgccgccgt caggggcagc 180

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gtcatctcgt tgtggcccat cccgaccagg cacaccttcc cgccgggccc cgtcgcctcc 240
 agcgccgctg acatggtctt gctgaacccg ggcgagtgca ggctgacgtc gatgtccgag 300
 cccatggccg cgcggatgcg ctccacctcg tccgccaggt cctccgcgcg gggcgacacc 360
 cgcaccgccc cgtccgcgcc cagcgacctg gccacggcca ggcggtgctc gtccacgtcc 420
 acgaccacca cgcgcggcgc gccgaaggcc cgcgccgcca gcagcgacac caggccgatg 480
 gggccggcgc ccaccacgag cagcccgctc tcggggccca cccccgcgcg gcggcacgcg 540
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<210> 10453

<211> 166

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-C7

<400> 10453

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 gcgctctctc tttgatcacc catccctcac aaatggggcc acatcaaagt tccttccaaa 120
 aacccaaaag ggaaaagaca cgagaaaaaa gatgttcggg gggaat 166

<210> 10454

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-C8

<400> 10454

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 aaataggggtg gttacgcaac aacatttttc acgcacagaa ggcttgatcc acttttcgct 180
 tggggggaaa atgtttttta ttgttaccac agtagacact tttgggatca tggttcataa 240
 ccggtttttct ggaagaaatt ggtaaaccat acaattggac acaaaatacg atccaggggt 300
 atcaactgtc aaggctctgg tttctattga gataccaaac taacattaat ttgaatgcgc 360
 tc 362

<210> 10455

<211> 513

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-D11

<400> 10455

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gccccttttt tgagtacatc tcatatgtaa ttttaaattt tgggcctcca acgatggggt 120
gctgcctcca caagacagga ttcacaaaa agaactgggt gtttggcagc aattgttgct 180
tctgttgga gggggggacc aatgggttag ccacttccaa tggattaagt aactgttgct 240
gctgttgtag gtaccagca gagtcgaca gagtcagttg gttgaatgga agcagctgtt 300
gcaagttggc aacagggttt gccacagctt gttgagtcag agctggtaca atctgttgca 360
acaattgttg ttgcaggtat gttggtgcat tgcccacaac gagcgggcta tatgaaaaca 420
gttgttggtg ttgtccgttg gcggcagggt tcaccatggc ttgttgactg agcgttggca 480
gaaactgttg tagctgttgg tgttgctggt ttg 513

<210> 10456

<211> 530

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-D12

<400> 10456

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gtcatttgct ggcttgctgc acatagcaag gatatagaat gctcgcccat ggaccacggt 120
gcaaaacaaa ctctgggaa tagccatgag atcgggtcaaa agggagcatc ttatcaagag 180
cagatacaaa tgggacgatt catcaccata aacaaaatct cactatgggt ctacactagc 240
aaaacagcat tgatacacc atcattctcc gggttgtttg taacttgagc atatttcccc 300
caaacaactt ttccagcggg agttaccaga ccaagctcac tgacatttac ctcaatgatt 360
gttccccctg tcataacacc aagagaagtg tacatcggac catttgggtt tttcttcaca 420
gaaattatgt caaggttgaa agtgcacttc agttctgggt gagtcacatg agctttgggt 480

aaacgcagac cagttgggtcg aatgaaccgc tcatactttg gtgggttcct

530

<210> 10457

<211> 476

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-D4

<400> 10457

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tttccttcga ttctttttca aaagttccat gcacgaatgg gcaaattaat ttaaacattt 120
ggtttcagtt acagaaggca gtacgtgctt taagttttcg agagaccaat agcttgtcag 180
cccattgcat atttttgagt ccagcttcta gcaggcgatt cgtccttcac gcgatcagtc 240
ttgtacaagt gagcaatttc tgggaccaac ggatcgtcag ggtttgggtc cctcagaagg 300
gaacaaattg ggaggaggac cttagaaact gtcagtgcag ggggccattg ctccttcaaa 360
atatcaagac aaattctccc tttgttggtg atattcggat ggtaaaccctt cgttttgaat 420
gcaaccttcc gtggtttgaa tgggtggtcc ggtggaaagt ggattgtgac caaaaa 476

<210> 10458

<211> 581

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-D6

<400> 10458

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gaggggcacc atctatcgag taccatctca tattgtatat ctaaaagatg gcanccacca 120
acgactggtg ttgctgccac gacaaggcag ggttcacaa agagaactgg ttgtatggca 180
gcaattggtg ctgctgtagg aaggcagcga ccaatgggtt agccaccgct agtggattaa 240
gtaactggtg tcgctgttgt aggtacgcag cagagttcga cacagtcagt tggttgaatg 300
gaagtagttg ttgcaagtag gcagcagggg ttgccacagc tagctgagta agagctggta 360
caatttggtg cagcaactgt tgttgcaaca actgttggtg caggtatgta ggtgcattgc 420

ccatagcgag cgggctagat gaaagaagtt gttgctgttg taggtaggcg atagggttca 480
ccatggctag ttgactgagc gctggtagaa actgttgcaa ctgttggttg tggtgggatg 540
cagctacgtt tgccaaagca agtgggttgg atgcaagcag c 581

<210> 10459

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-E1

<400> 10459

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atcgagtcca tctcatntgt aatctaaaag atggcacctc caacgatggg ttgctgcctc 120
gacaagactg gtttcatcaa agagaactgg ttgtntggca gcaattgttg ctgctgtngg 180
aaggcggcga ccaatgggtt agccactacc aatggattaa gtaactgttg tgcctgttgt 240
nggtacgcag cagagtcca cagagtcagt tggttgaatg gaagcagctg ttgcaagtng 300
gcaacagggt ttgccccagc tngttgagtc agagctggtc caatctgttg cnactnttgt 360
tgttgcnggt ttgtnggtgc cttgcccaca gcgagcgggc ttgttgaaag ccgttggttg 420
tgttgtccgt tggcggcggg gttcccttgg cttgttg 457

<210> 10460

<211> 527

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-E2

<400> 10460

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ttgcacactt ttttttgctt gcgggtcgnt ttaactgtta tcccatgtca tggtatgcag 120
gantttttga caaactgcaa ccgggtctcc tgtctgtntg tgteccaact aagctgcttt 180
taogtctggc caaatctgct cgntcgacaa tcaactgcatt gaacttgga gtcanttctt 240
ctggcttggt tgcaagcngc ctcaagcctt cgccttcttt tccgtgcttt accctttatt 300

cgccctttgt tttgcttttt ggggcctttt tttttgtggt ttcttcttct tttctttttt 360
 tttttttttg tttttgttgt gttttttttt tgtttttttg gcgtncttgt tttctttttc 420
 ttctcctgtg ttctttgttt tttttcgtcc tccgttcttg tgcttgtttt tttttgttct 480
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<210> 10461

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 10461

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 atgctgctgg gtttgtcaaa gcaagttggt tgaatggcag caattgttgc agttgtaaga 180
 ggggtgccagc gttaggcgca gcgctgctgt agaacggcaa caactgtggt tgtgtcaaga 240
 aggttagcagg gctcacacca gctagctggc tgaatggtag tagttgttgc tgctgtaaatt 300
 aagcaggaga gttcaatgct gtcagttggt tgaatggaag aaattgctgg gggtaggcag 360
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<210> 10462

<211> 501

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-E4

<400> 10462

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 aactataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
 actgctgggt ttgtcaaagc aagttggctg aatggcagca attggtgcag ttgtaagagg 180
 gtgccaacgt taggcgcagt gtgcaggtag aacggcaaca aatggtgctg tgtcaagaag 240
 gcagcagggc tcacagcagc tagctggctg aatggtagta gttgttggtt ttgtacataa 300
 gcatgagagt tcaatgctgc cagttgggtt aatggaagaa attgccgggg gtaggcagca 360

gctagctggc tgaatggtag tagttgttgt tgctgcaa at aagcagcaga gttcaatgca 420
gctagttggt tgaatggcag aaactgttgt tgctgagagt aggcagcaag gtttgctagc 480
acaacaacta caacaactcg t 501

<210> 10463
<211> 568
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-E5
<400> 10463

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gctgcaaggc agggttcatc aaagagaact ggttgtagtg cagcaattgt tgttgctgct 180
gcaggaaggt agcgaccaat gggtttagcca ctgccaatgg attaagtaac tgttgctgct 240
gttgtaggta cgcagcagag tttgacacag ccagttgggt gaatggaagc aactgttgta 300
agtaggcagc agggtttgcc acagctagct gagtcagagc tggtagaatt tgttgtagca 360
actgttggtg taggtacgta ggtgcattgc ccaccgagc cgggctagat gaaagtagtt 420
gtaggtagac ggcagggttc accatggcta gttgactgag cactggcata aactgttgca 480
gctgttggtg ttgctggtat gcagctacgt tcgccagagc aagnntgggt ggatgcaagc 540
agctgctggt gcaagtaggt gacagggt 568

<210> 10464
<211> 69
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-086-Q1-N6-E6
<400> 10464

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tttttttttt 69

<210> 10465

<211> 293
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-E7

<400> 10465

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ttttntttctt gataatnnt attaaaaatt cncccaaaga aggtgttttt ttttgttggg 120
ggccgcaagc aggggctgat ggggcattgt gcttttgaca ggtccaactt ggcgcccgcg 180
ctcgcgactg cncattgtgc tgttnngagg tgcnggctca cccactgctg cctatggtan 240
ngtgttgctc tgnaatnncg gcagttcaaa ctncattggg gntggaaaaa ttg 293
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<210> 10466
<211> 551
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-E8

<400> 10466

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ctgttggggt tgtcaaagca agttggttga atggcagcaa ttgttgctgag tgtaagaggg 180
tgccagcggt aggcatagcg tgcaggtaga acggcaacaa ctgttggttg gtcaagaagg 240
cagcagggct cacatcagct agctggctga atggtagtag ttgttgctgc tgtaaataag 300
cagcagagtt caatgctgct agttggttga atggaagaaa ttgctggggg taggcagcaa 360
ctagctggct gaatggtaat tgttggttga aataagcagc agagttcaat gcagccagtt 420
ggttgaatgg aagaaactga tgttgctgag agtatgcagc aaggtttgc agcacaagtt 480
gttgtagttg ttgtgccctg atgttttgc ccaccaaagtg gaccaaaggt aactgctgta 540
atagggctga c 551
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<210> 10467
<211> 598
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-E9

<400> 10467

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caaatatcat gaatcagtag tagggcgga tggcagcgga gacgccacag gggttggtgc 180
ggtagctggg cagctggtac tggtagagtc caccatggc cggcatgttc tgcgccatca 240
tcatggccat ggggttgaga ccctgggctg ccagcagctg ctgctgctgc tgcacagag 300
ctggctcgta caggctgctg ctggcggcag cggcacgctc aagctgcatc atcatctgca 360
gctgctgctc gacggactgc acgtccatca tctcatctg ctgctggcag cactgttgcc 420
ggagcggctg gaacatggcg ctgggctgcc cacaccggc gtagtagggc gccgccgcca 480
gcgggctgca ctgcggctgc ctgaggtact ccgcgtaggg gtacagcccg ncngcgccca 540
tcatcgtcgt caggcccgcg ccagcggcgt acaaagcctg cagccccgcg caggggca 598

<210> 10468

<211> 332

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-F1

<400> 10468

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ttttgtngg gggggggggt gggggggggg gggggggggg ggggggntgt ttcggggtng 180
gggggggctg ggggggggtc gcgggtgtg tgcggcgtg gggggggggc ggcgctggcg 240
gggggggggc gggggggggg gttgtgggg tgggtgggtg ggggggtgct tcgggggttg 300
ggggggcggg gggcgggggc gcgccccggg gg 332

<210> 10469

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-F10

<400> 10469

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cccttacaaa ctaaaaaaaaa aaaaaaagg gggggccccc gggggggggg ggggagagaa 120
aaacatttgg ttttaaaaaa agagggggag tgtagggaaa aagtggggtc cattaagg 180
gggggccac ctgggcccat tccctttgta aaaaaaaaaa aaagagtttt tgtttgaaaa 240
ggggaccaac gacaaaaacc gagctgggct ttggggaggga attatttggg gtcctaaaaa 300
aaagaggaaa tataaatgtc cccgtggtga taaggga aaaatggggg gggg 354

<210> 10470

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-F11

<400> 10470

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cacttcgatt acactggcct ggtaggttta acttttaacg ggaaccagct tcattttttt 180
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ttagtggggg gcgctgggaa tgcttcctca aactgtgttg aagttgagac aagtccaac 360
gagaaagggc ccaaggtcc aaactccaaa ctttctgcog catgtaacaa atctgctgtg 420
gggggtgagg aaggctcgca gataccattt ccttggccgt tttgagcaag tgc 473

<210> 10471

<211> 504

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-F12

<400> 10471

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gctgccacga caaggcaggg ttcacaaag agaactggct gtatggtagc aattgttgct 180
gctgtaggaa ggcagtgacc aatgggttag gcaactgctag tggattaagt aactgttgct 240
gctgttgtag gtacgca gca gagttogaca cagtcagttg gttgaatgga agcagctgtt 300
gcaagtaggc agcaggggtt gccacagcta gctgagtcag agctggtaca atctgttgca 360
gcaattgttg ttgcaggtat gtaggtgcat taccacaac gagagggtga gatgaaagca 420
gttgttgctg ttgttggtag gcggcagggg tcaccatggc tagttgactg agcgtggcn 480
gaaactgttg caattgttgt tggt 504

<210> 10472

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-F3

<400> 10472

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aatttcaact aataagcaat ctaaaagagg gcaccaccaa tgatgtgttg ttggtaggag 120
gctgctgggt ttgtcaaagc aagttggaca aagggaaca attgttgtag ttgtaaaagg 180
gttgcggggt tagcccaaaa ctgctggttg aaaggcagca actgttgctg tgtcaaaaag 240
gaagcacggc ttgctgcaac tagctggcta aatggtagta atatttgctg ctgcaaataa 300
gcagcgaggt tcagtgcggc caattggta aatggaaaaa gttgttggtt attagagtag 360
gcagnaacta gctggcttaa tggtaatagt tgttgctgca aataagcagc agggttcagt 420
gttaattgtt ggttgaatgg aaaaa 445

<210> 10473

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-F8

<400> 10473

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 aacgctgctg ggtttgtcaa agcaagttgg ttgaatggca gcaattgttg cagttgtaag 180
 aggggtgccag cgttaggcgc agcgtgctgg tagaacggca acaactgtgg ttgtatcaag 240
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 gctagttggt tgaatggaag aaactgctgt tgctgagagt aggcagcaag gtttgctagc 480
 acaagttggt gtagttgttg tgccctg 507

<210> 10474

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-G11

<400> 10474

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 ccattgcata tttctgagtc cagctcctag cagtcgattc gtacttcacg cgatcagtct 180
 tgtacaagtg agcaatctct gggaccaacg gatcgtcagg gtttgggtcc gtcagaaggg 240
 aacaaattga gaggaggacc ttagaaactg tcagtgcagg gctccattgc tccttcaaga 300
 tatcaagaca gatgctcccg ttgctgttga tattcggatg gtaaaccttc gtcttgaatg 360
 caaccttcgg tggtttgaat gggtagtccg gtggaaagtg aatagtgacc aaaaatacgc 420
 caccagcgta tgggctatct gatggcccca taatcgtcgc ctgccagtag aacatatctt 480
 cggcaacagg gcctgcgctg caagaggtgg gaggatcctt ctgcaggtec ttgagctcct 540
 tgaggatccg cttcgacgcc atggat 566

<210> 10475

<211> 300

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-G12

<400> 10475

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gcagaccacc actcgtcaga atctagagag attgaaaaaa 'aagggttctt' ttctgctttt 120
ggtgctcccg cggcggatca tttgagtggc tctcngcna acaccaccct tcattttattg 180
cgaccgtgca aaccttgtgt ctattggcag cggcgagcta gtttagctcc acacgaaaac 240
atcctcatcc tcttcctttc tttgttgggc tccactggtg ccctgaactt tgctccggcg 300

<210> 10476

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-G4

<400> 10476

agaaagtact ttcttatttc tgggaagcca caaacatcag ataaaaaact ttattattga 60
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ctgctggggtt tgtcaaagca agttgggttga atggcagcaa ttgttgcagt tgtaagaggg 180
tgccagcggt aggcgcaacg tgctggtaga acggcaacaa ctgtgggttgt gtcaagaagg 240
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gtagctggct gaatggtagt tgttgttgtt gcaaataaga agcagagttc aatgaaccta 420
gttgggttga tggaagaaac tgctgttgc gagagtaggc agcaaggttt gctagcacia 480
gttgtttagt ttgttgtgcc ctgatgtttt gtgccaataa atgcaccana agtaactgtt 540
gtaatanggc tgatgattgt tggaggaaca aggt 574

<210> 10477

<211> 211

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-G7

<400> 10477

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gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120

tgctgttggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag 180

ggtgccagcg ttaggcgcag cgtgctggta g 211

<210> 10478

<211> 303

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-H10

<400> 10478

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tttttttttg gggggggggg gggggggggg gnnngggggg gngttttttt gggggggggg 180

gggggggggn ggtnttggg gggtcgggg gggggggggg ggggggtgtg gggggggtgg 240

gggggggggg ggggtgggg gggggggggg ggggttgggt gtggtgggg gggggggggg 300

ggg 303

<210> 10479

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-H2

<400> 10479

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ggnngggggn nnnntgggg gggngggggg gggggggggg ggnnnggggg gggggggggg 120

ggnggggggg gngngngggg gngngnggtg gggngggggg gnnngggggg gngggngggg 180

gggggggggg tggggggggg gggngggggg gggggggggg gggggggggg gggggggggg 240

ggggggnggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 300

gggggggggg gggggggggg gggggggngg gggggggggg gggggggggg ggggtggtgng 360
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 g 421

<210> 10480
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-N6-H8
 <400> 10480

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 accatacata atgccatcta gctgtgtgcc tgtgccacaa gacagcagca tcaagttgtc 120
 cacgtaccgt acatcaaaag attaaactat atacagtgc gtcttttgtt ttcctaacat 180
 attgcaagtc ttgaacttct gagaatacat ataaaatttg ctactcattc cacaacagta 240
 gtagcttatg aattgtaatt atctggtaaa aaaggccaaa caaacggcaa taaaaatgaa 300
 catatcacta ccccttttct acacaaagcg agcaaaccag tcgatgccat ttcattctcc 360
 aagtccgcca ggtagctgcc agaagattca gtatgccag cattcattc 409

<210> 10481
 <211> 386
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-087-Q1-N6-A10
 <400> 10481

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 gggcaccatt atcgagtaca tctcatatgt aatctaaaag gatggcacct ccaacgatgg 120
 gttgctgcct cgacaagaca gggtttatca aagagaactg gttgtatggc agcaattgtt 180
 gctgctgtgg gaaggcagcc accaatgggt tagccactgc tagtggatta agtaactggt 240
 gtcgctgttg tgggcacgca gcagagttcc acatactcag ttggttgaat ggaagcatct 300
 gttgcaagtt ggcagcaggg tttgccacat cttgctgtgt cagatctggt acaatctgtt 360
 gcaacaattg tttttgctgg tgtgtg 386

<210> 10482

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-B10

<400> 10482

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gcaccattat cgagtacatc tcatatgtaa tctaaaagat ggcacctcca acgatggggtt 120
gctgcctcga caagacagga ttcattcaaag agaactgggtt gtatggcagc aattgttgct 180
gctgtaggaa ggcggcgacc aatgggttag ccactaccaa tggattaagt aactgttgctc 240
gctgttgtag gtacgcagca gagttcgaca gagtcagttg gttgaatgga agcagctggt 300
gcaagtaggc aacagggttt gccacagcta gttgagtcag agctgggtaca atctgttgca 360
acaattgttg ttgcaggtat gtaggtgcat tgcccacagc gagcgggcta gatgaaagca 420
gttggtgttg ttgtacgtag gcggcagggt tcacaatgct tggttaccta accgtggcca 480
aaacctgtgg aacctgtggt ggt 503

<210> 10483

<211> 547

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-B2

<400> 10483

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aagtataact cataagcaat ctaaaagagg gcaccaccaa tgatggggtt ttggtagaac 120
gctgttgggt ttgtcaaagc aagtgggttg aatggcagca attgttgtag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actgttggtt tgtcaagaag 240
gcaacagggc tcacatcagc tagctggctg aatgggtgta gctgttgctg ttgtaaataa 300
gcagcagagt tcaatgctgc cagttgggtt aatggaagaa attgctgggg gtnagcagca 360
gctagctgac tgaatggtng ttgttgggtg aaataagcag cagagttcaa tgcagccagt 420

tgggtgaatg gaagaaactg ctgttgctgt gagtnggcag caaggtttcc tagcacaagt 480
 tgttggtgtt tgtgtgcctt gatgttttgt gcctacaaat gtcctaaagg tactgcttgt 540
 atagggc 547

<210> 10484
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-B5

<400> 10484

ccaggcacia aacttgggtca tggacccttc actcatacga actctaaaag gagggccccc 60
 cccctggggg gggggggggg gaccccggtt ggggggtgaaa aaacgcgcgg gttggggggc 120
 ggccacggtg gcggttggga aaggggcccc ggcttggggc gcctgggctg tgtggaaccg 180
 caacacctgg ggggtgtgtga acaggggaca agggctcacc ccagctatcg ggggtgaacg 240
 tgggaaatgg tgctgcggtc acaaagccgg aaagcatacg gcccacaagc gtttgaagga 300
 aaaaaatggg tggggggttg caccacgaac ccgccttaat ggcgttgggc tctactgcca 360
 ctaaaaagcc gagttaaccg gccctgcctg gtggattgag aaaacctcct acgcgcgggg 420
 agaggcagca tgggtttttt ggccatcttg cggttcct 458

<210> 10485
 <211> 266
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-B6

<400> 10485

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 gttcttttgg gggggggggg gccctgtggg gccctgttcc cccctccccc ctcccccttg 120
 ttggcggggc ggtggctttg ggtgtggcgc cggggggggc ttgtgggggc gctcgcgcc 180
 gtttgtggcc gggcgctccc ccccccttg ccgggggggg gccctggcgc cccccctcg 240
 gtngtgctc cggccccccc cggcgg 266

<210> 10486
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-B7

<400> 10486

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ttgccggggg caccgattgg ttttaaattt tggggggaag tcacactccc acgaaacagt 60
tccaaactct tagttcaatt tcctagcccc tttaaattaaa aggggtccaac caaatgttgg 120
aaacaggtgg gtgggtcatc cccgaacagg aaacttttta aaaagcaggg attcaaaact 180
tggcttttag gagaatttca ggctttctcg ggctgaaaat ttcactttta aactctaccc 240
atcctgttca ggttcaccat gcgtgcacca cccttaccac ctttgctgt tggaatagac 300
tggttgcgac cccttgcac ctgaaacctt gaaacgccac cctagcccc gcggtaaccc 360
tgattgcccc tgtccctttg gtgtccacca ccactttggc cagatattgc acctctgccg 420
gagttttcaa acctgttgcc accaccctgc cgcccc 456
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<210> 10487
<211> 550
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-B9

<400> 10487

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acactgctgg gtttgtcaaa gcaagttggt cgaatggcag caattgttgc agttgtaaga 180
gggtgccaac gttaggcgca gtgtgcaggt agaacggcaa caaatgttgc tgtgtcaaga 240
aggcagcagg gctcacagca gctagctggc tgaatggtag tagttgttgt tgttgtacat 300
aagcatgaga gttcaatgct gccagttggt tgaatggaag aaattgccgg gggtaggcag 360
cagctagctg gctgaatggt agtagttgtt gttgctgcaa ataagcagca gagttcaatg 420
cagctagttg gttgaatggc agaaactgtt gttgctgaga gtaggcagca aggtttgcta 480
gcacgagttg ttgtagttgt tgtgccctga tgttttgtgc caacaaatgc accaaaggta 540
actgctgttg 550
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<210> 10488
<211> 482
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-C10

<400> 10488

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gcccccttgt cgagtccatt tcattttgtaa tctaaaagat ggcccccca accatggggtt 120
gctgcaaggc aggggttcac aaaaagaact ggttggttgg caacaattgt tgttgctgct 180
tcaggaaggt agccaccaat gggttagcca ctgccaatgg attaaataac tgttgctgct 240
gtttaggta cccaccaaag tttgacacaa ccagttgggtt gaatggaaac aactgttgta 300
agtaggcaac agggtttgcc acaactagct tagtcaaagc tggtaacaatt tgttgcaaca 360
actgttggtg taggtaccta ggggcattgc ccacccgag cgggctaaat taaaatagtt 420
gtaggtagac cgcagggttc accatggctt gttgactgag cactggcata aactgttgca 480
ac 482

<210> 10489
<211> 260
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-C11

<400> 10489

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ggttattttt ggggaacaca cgtcgggtgtg gggggggccat ttttgggttc tttttttttg 120
tnntctaaaa aatttttttt tgggctgttn ggggggtgcc tcgnccngac angntttttt 180
ttnnagaact ggttggtgtg cccgccttgt tgctgctgtn ggaagggggc gccccatggg 240
ttggccnctt cccctgggtt 260

<210> 10490
<211> 295
<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-087-Q1-N6-C2

<400> 10490

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gaactttaac tcataagcaa tctaaaagta gggcaccacc aatgatgggt tgttggttga 120
acactgttgg gtttgtcaaa gcatgttggt tgaatggcag caattgttgc agttgtcaga 180
gggtgccagc gttcggcatt tcgtgcttgt cgaacggcta caactgttgt tgtgtcttga 240
aggccgctgg gcttacatta gcttgcttgc ttattggtag ttgtttttgc tgttg 295

<210> 10491
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-C3

<400> 10491

ggcaacaaga acatcaaata acaaacaaaa cgttgtgtac gtatttctta ttttacatcc 60
agacaagcca gtcacttcc tcaattaaaa aaaattaaga gaataataac tgtgatcagt 120
tcgacgataa tcaatgggtc gctggtgaca gccgacaaca tcctagtaaa atgtagagct 180
gttcattgggt gaagtatgta taatgtgtaa gcttatactg agtactataa ggtgagaatt 240
cattttatcg ctcggcatac aagctagggtc ttggtagcac tacctatcga cttcagcttc 300
tgcacttgca gagttgttgc atgaaca 327

<210> 10492
<211> 547
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-087-Q1-N6-C7

<400> 10492

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tttgcataca cacatatgct cctgcaacta ctatttatta acacacaaac atcaacggcc 120

gaaaaacctc acatcaaagc acagccatct cagcattatt gtcaccttc acagcattca 180
 gattaggcct tcttgcacac gctccctcg cacacatacc cagcaggggc ttcctcactc 240
 atcttttctc cacccaacgc gcacttgggg tgcaggtcaa agtcacactc gtcgcacctg 300
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 aggacaagtt cgtgctcgtc atgcagctca tgcttcagct tctgaggcca ccccttcgcc 420
 atctcatcca gcttcttctg tagctcctca agtctctcct cggatgaatgg gaaagcatnc 480
 agcaccgtgg atcatcagct gggaactttg cgtccctgct gactgtctgc ccagtaggtc 540
 cgatggc 547

<210> 10493

<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-C8

<400> 10493

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 taataatcaa tctaaaagag ggcaccacca atgatgtggt gttggttagga ggctgctggg 180
 tttgtcaaag caagttggac aaagggcaac aattgttgta gttgtaagag ggttgcgggg 240
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 agctggctaa atggtaatag ttgttgctgc aaataagcag cagggttcag tgtagacagt 480
 tggttgaatg gaagaaattg ttgttgctga gagtagggag aaagggttgc cagagctact 540
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<210> 10494

<211> 572

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D10

<400> 10494

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tttttttttt tttttttttt tggggggggg gggggccggg gggaacctt tttttcccg 180
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aaaatttttc cccaaccccg ggggggaaaa ggggaaaaac ggtggcgtgg caaaaaaggg 360
ttaaattttc ccaaacccg-gggggaaaa ggggaaaaat gggggggggg gggggaaaaa 420
aacaaaaatg tcgcccaaac ctttgagggg aaaggaaaaa acctgggggg ggtaaaaaag 480
aggaccgggg cccccaaaaa gggggggaaa ggggagaaat tgtggcccc ccaaaaaccc 540
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<210> 10495

<211> 491

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D11

<400> 10495

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ccacaacaag gcagggttca tcaaaaagaa ctggttgat ggcagcaatt gttgctgctg 180
taggaaggca gcgaccaatg ggttagccac cgctagtggg ttaagtaact gttgtcgctg 240
ttgtaggtag gcagcagagt tcgacacagt cagttgggtg aatggaagca gctgttgcaa 300
gtaggcagca gggtttgcca cagctagctg agtcagagct ggtacaatct gttgcagcaa 360
ctgttggtgc aggtatgtag gtgcattaac cacagcgaga gggctagatg aaatcagttg 420
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ctgttgcaat t 491

<210> 10496

<211> 483

<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-087-Q1-N6-D2

<400> 10496

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tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg ggttggttgg 120
agaatgctgt tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
agaggggtgcc agcgttaggc gcagcgtgct ggtagaacgg caacaattgt ggttggtgca 240
agaaggtngc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgtn 300
aataagcagg agagttcaaa gctgtcagtt ggttgaatgg aagaaattgc tgggggtcgg 360
cagcagattg ctggctgaat ggtagttggt gttgttgtna attagaagca gagttcaatg 420
cagcttggtg gttgaattgg aagaaactgt tgttgctgcg agtttgcagc aaggtttgct 480
tgc 483

<210> 10497
<211> 542
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D3

<400> 10497

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ctggtgagtt tgtcaaagca agttggttga atggcagcaa ttggtgcagt tgtaagaggg 180
tgccagcgtt aggcatagcg tgcaggtaga acggcaacaa ctggtgttgt gtcaagaagg 240
cagcagggct cacatcagct agctggctga atggtagtag ttggtgctgc tgtaaataag 300
cagcagagtt caatgctgct agttggttga atggaagaaa ttgctggggg taggcagcaa 360
ctagctggct gaatggtaat tgttggttga aataagcagc agagttcaat gcagccagtt 420
ggttgaatgg aagaaactga tgttgctgag agtatgcagc aaggtttgct agcacaagtt 480
gttgtagttg ttgtgccctg atgttttggt ccaccaaatg gaccaaaggt aactgctgta 540
at 542

<210> 10498
<211> 254
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D7

<400> 10498

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aatgatgggt tgttggtaga atgctgttgg gtttgtcaaa gcaagttggt tgaatggcag 120
caattgttgc agttgtaaga gggtgccagc gttaggcgca gcgtgctggt agaacggcaa 180
caattgtggt tgtgtcaaga aggtagcagg gctcacacca actagcttgc tgaatggtag 240
tagtttgttg ctgc 254

<210> 10499
<211> 492
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D8

<400> 10499

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ctgttggtt tgtcaaaaca agttggttga atggcagcaa ttgttgcagt tgtaagaggg 180
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caacagggct cacatcaact agctggctga atgggggtag ctgttgctgt tgtaaataaa 300
cagcaaagtt caatgctgcc aattggttga atggaaaaaa ttgctggggg taggcagcaa 360
ctagctgact gaatggtagt tgttgttgca aataagcagc aaagttcaat gcagccagtt 420
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<210> 10500
<211> 530
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-E10

<400> 10500

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acacaaacca cagatgttta ttagacgacg acctccattt agaggtacac cagagggcac 180
cagacgacgc agatacccag gtacagcagc agcttaaatg aaccatggct tactgaccac 240
cacggaggcg gagcaccagg tggagagtgc tctccttctg gatgtttag tctgctaggg 300
tgcggccatc ctccagctgc ttgccagcga aaatcaaacg ctgctggtct ggggggatgc 360
cctctttgtc ctggatcttt gccttcacgt tgtogatggt gtcggagctc tcaacctcca 420
gggttatggt cttgccagtc aaggctcttca caaagatctg cataccacct cgcaagcgga 480
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<210> 10501

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-E4

<400> 10501

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aattttattat tacagtataa agcataaaaa atctagaaga tggtagaccacc aatgggtgggc 120
tgatgcaata aggtggtagg attcgtcaaa gcgagttggc taaatggcag caattgctgt 180
tgttgtaaga aggcgacaat gtttgccaca tcctgtgggt agaattggca 229

<210> 10502

<211> 240

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-E6

<400> 10502

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 atgggggggg cccccccat tttttttttt tggggggggg ggcttttttt ttctacgaag 180
 ggggggtcgc ggggccccct tttttgtttt tttggggggg gggggggggg ctccccccgg 240

<210> 10503

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-E7

<400> 10503

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 ggggcaacct ccggtatggg ggaaaaaggg ggggggcaac ccaaacctta aagggaaaaa 120
 ccccaaagg ggaggggggg gggggggaat tttggggggg gggggggggc cacaccccc 180
 acaggggggg gggggggggg cccccgaaaa aaagcccccc cccctggggg gggcgggggg 240
 gaaccacaaa aaccaaagg gggggggggg ggcccccccc ggggaaagg gaaaaacccg 300
 ggggaaaaag gggggggaaa aaattggggg gaaaaaggc caaaaaaga aaaaaatggg 360
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<210> 10504

<211> 527

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-E8

<400> 10504

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 aggatgaaca cagcactaac aactgacaca gagcgacctt caatcaaaaa cacagatggg 180
 caacaacaaa cagagacga acgaagataa acactctgga ctagggtaaa caacacggta 240
 gcgaacagga taacttggcc gcgegggcc caccgctcag ttctctcagt tccgctcgga 300
 gttgcgtag ccgccccac gggtgccacc gccgtagccg ccgccaccac caccgtagcc 360
 gccgcgccca ccaccgtagc cgccgccacc gccgtagccg ccgcgcgcac cagggcgcc 420

gccaccgccc tagccgccgc ctccaaggcc accaccgtac ccgccgccgc cgccgcctcc 480
acggccgccg ngggactggg cctcgttgac ggtgatgttg cggccgt 527

<210> 10505

<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F10

<400> 10505

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aacgctgttg ggtttgtcaa agcaagttgg ttgaatggca gcaattgttg cagttgtaag 180
aggggtgccag cgttaggcgc agcgtgcagg tagaacggca acaactgttg ttgtgtcaag 240
aaggcaacag ggctcacatc agctagctgg ctgaatgggtg gtagctgttg ctggttgtaa 300
taagcagcag agttcaatgc tgccagttgg ttgaatggaa gaaattgctg ggggtaggca 360
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agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tcctagcaca 480
agttgttgta gttgttgtgc cttgatgttt tgtgccaaaca aatgcaccaa aggtaactgc 540
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<210> 10506

<211> 543

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F11

<400> 10506

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gcagggttca tcaaagagaa ctgggtgtat ggcagcaatt gttgttgctg ctgcaggaag 180
gtagcgacca atggggttagc cactgccaat ggattaagta actggtgtcg ctggtgtagg 240
tacgcagcag agtttgacac agccagttgg ttgaatggaa gcaactgttg taagtaggca 300

gcagggtttg ccacagctag ctgagtcaga gctggtacaa tttgttgcag caactgttgt 360
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 acggcagggg taccatggc tagttgactg agcactggca taaactgttg cagctgttgt 480
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 tgc 543

<210> 10507
 <211> 535
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-087-Q1-N6-F3
 <400> 10507

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 gactcaacta gctagctagc cagcggctat actacagcac atagtttctt cagtggggga 180
 caccgccggc agcagcgtag gggcatggag tcggctgctg caggccgcac atcgccgtca 240
 gttgctgcgc tatctgcgcc gccaacagcc ccgcgacctg gccgctttgc ggctgctgct 300
 gcaggatgga ctggaggacc aagccgaaga tcgcctggta ccggtgctgc ggctccacct 360
 gcctgagctg ctggcaacac tgctgccgca acgactggca ctgaggcgag cagtagggcg 420
 tcgccgtcgg gctgcactga tgcctcagga actcgacgca ctggcccagg atcggggtgc 480
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<210> 10508
 <211> 311
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-087-Q1-N6-F4
 <400> 10508

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 gggttggggc ccccgttttg ggttccttgg agggggccgg cgctttttgt tttttggggg 180

ggggaagggg gggggtttgt gcccgtcggt gggggggggg gggggtttgg ttttaaggtag 240
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<210> 10509

<211> 553

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F5

<400> 10509

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 gtaggaggct gctgggtttg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
 taagaggggt gcgggggttag ccgcaaactg cttgtagaaa ggcagcaact gttgctgtgt 240
 caagaaggaa gcacgacttg ctgcagctag ctgcgctaat ggcagtagta tttgctgctg 300
 caaataagca gcgggggttca gtgcggccaa ttgggttaaat ggaagaagtt gttgttgctg 360
 agagtaggca gtagctagct ggctaaatgg taatagttgt tgctgcaaat aagcagcagg 420
 gttcagtgtg gacagttggg tgaatggaag aaattgttgt tgctgagagt agggagaaaag 480
 gtttgccaga gctacttggg tgatcacagg tagcacgagt tgctgcagct gttgtgccct 540
 gatggtttgt acc 553

<210> 10510

<211> 358

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-F6

<400> 10510

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 caataagggg gtaggattcg tcaaagcaag ttgggttaaat ggcagcaatt gttgttgttg 180

tnagaaggcg acattgtttg ccacatcctg tgggtngaag gtagcaact gttgctgttg 240
 caagaaggcg ttaatgtttc ccacaacctg tgggtnaaat ggcagcaatt gttgttggtg 300
 ttgcnagaaa gcagccntgt ttgccacaac ttgtngatgg aatggaagca actgttgc 358

<210> 10511

<211> 484

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F7

<400> 10511

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 ggtagctagt cagcggctcc attacattat tactacagta catagtttcc tcagtagtag 180
 acaccgccgg cagctgcgtt gcaagggcag ggacctggct gctgcaactg caggccgcac 240
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 tgctgctgca ggaaggactg caggaccaca ccgtatgtcg cctgggtaccg gtgcagcggc 360
 tccacctgcc tgatctgggtg gcagcactgc tgctgcaacg cctggcactg tggcgagccg 420
 taaggcgtcg ccccggggtg gcactggtgc ctcaggaact cgacgcactg gcccaagaac 480
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<210> 10512

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F8

<400> 10512

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 gctgttgggt ttgtcaaagc aagttgggtg aatggcagca attgttgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
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gcagcagagt tcaatgctgc cagttggttg aatggaagaa attgctgggg gtaggcagca 360
gctagctgac tgaatggttag ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480
tgttgtagtt gttgtgcctt gatgttttgt gccacaaat gcaccaaagg taactgctgt 540
aataggg 547

<210> 10513

<211> 555

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G10

<400> 10513

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gaaactactc ggcaacatgc tcgttgatcc tcaacttttta ctctctggat ggcataggcc 180
aactgaaaac tgacatccac acggcatgtt ttagttgcgg cagcaaccgt ccgcttcttg 240
tggtagcaat atgtccagtg agagatgaat catgtggtcc gtgcggagtg cctataatca 300
ctggattcaa gtttgtttca ttaacccttt ctgtcagcat tgaagacctc gtattaattc 360
atcgccatca gactgccgac agatcaatca tcctctaccc catctttggc ccaaaagatg 420
gcggcactcc caaacttaac agcagccatt gtcatgcttg aaagactacc attctcaaaa 480
gaaatttaac actaagtgtc gcaggtatgg gctaagctca atagatcagg tcgtgccact 540
taatccaata gtctg 555

<210> 10514

<211> 189

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-G12

<400> 10514

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gttttccacc tctnagccct cctaaaaatt tccccccgg ggggggggtt tttgttgagg 120

gcctcttggg tttccaagc ccgtttggcc ccgggcccc cccgtttccc ttttttgggg 180
gtttcggg 189

<210> 10515

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G3

<400> 10515

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cattattgaa ctataactca taagcaatct aaaagagggc accaccaatg atggggtgtt 120
ggtagaacac tggtgagttt gtcaaagcaa gttgggtgaa tggcagcaat tggtgcagtt 180
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tcaagaaggc agcagggtc acatcagcta gctggctgaa tggtagtagt tggtgctgct 300
gtaaataagc agcagagttc aatgctgcta gttgggtgaa tggaagaaat tgctgggggt 360
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cagccagttg gttgaatgga agaaactgat gttgctgaga gtatgcagca aggtttgcta 480
gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caccaaattg accaaaggta 540
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<210> 10516

<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G4

<400> 10516

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ttcttcccc gtgcctgtca ccaacggtgt cttcggtttg tgaaaacca attcttcaac 180
octacaggat ccaacaggca atcgagctg gcattctacc tttatcacc ttgttctctc 240
aacaatcatc agccctatta cagcagttac ctttgggtgca tttattggcc caaaacatca 300

gggcacatca actacaacaa cttgtgctag caaaccttgc tgcctactct cagcaacagc 360
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 aactaccatt cagccagcta tctgtctgct acccccagca atttcttcca ttcaaccaac 480
 tgacagcatt gaactctcct gcttatttac agcagcgaca actactacca ttcagccagc 540
 tagctggtgt g 551

<210> 10517

<211> 355

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-G6

<400> 10517

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 gggggggggg ggcccgggcg gggggggggg ttccaaaaa gagggggggg ggggggcttt 180
 gggggggggg gggggggggg cgcccccccg gggggggccc cggggggggg ggtttgcccc 240
 cggggggggg gggggggggc ccccnctgt gccccctcg gcgggggggg gggggggggg 300
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<210> 10518

<211> 556

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G7

<400> 10518

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 gctgctgcaa taaggggggtg ggattcgtca aagcaagttg gttaaattggc agcaattgtt 180
 gttgttgtaa gaaggcgaca ttgtttgcca catcctgtgg gtagaatggt agcaactgtt 240
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gttgttgttg caagaaagca gcaatgtttg ccacaacttg tagatggaat ggaagcaact 360
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 gtgcctgcaa gtaagcagca gggttcacc cagctagttg attgaatgga agaaattgtt 480
 gttgctggag gtaagcagca aggttcgctg caactacttg attgattgtt ggaagcaact 540
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<210> 10519

<211> 550

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G9

<400> 10519

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 tgaactagct atagccctat aggtagctag tcagcggctc cattacatta ttactacagt 180
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 gcctggcact gtggcgagcc gtagggcgtc gccgcgggc tgactgggtg cctcaggaac 480
 tcgacgcact ggcccaggaa cgggctgccg acgctgcga cgccgcagga tccgaactgc 540
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<210> 10520

<211> 102

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-H11

<400> 10520

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<210> 10521
 <211> 195
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-089-Q1-N6-A1

 <400> 10521

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aagcttgcct tgcgtttcat tggcttgggt ggggttgttt ctcttggtc cttcttctgg 180
gctcgccttt ctttc 195
  
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<210> 10522
 <211> 406
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-089-Q1-N6-A10

 <400> 10522

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aactttacag agaagcgaac aagtcgattc tgggaacagc taccgggggg agggcggagc 180
aagagcaaaa tatttctctc gtgaagatga tgcttctctc ctaagccaaa ggcattctca 240
accacaccat ctaaagggtc ggacatgctg ggacatatct ggagaacctat gtgagcatgt 300
acatctgaag ccgtgatcat ctcgattgga cactctata atgaagaatc aaatcttccg 360
gcttcttcca tatatatgtt cgcactgtag ccaaactcat atctgg 406
  
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<210> 10523
 <211> 518
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-089-Q1-N6-A11

 <400> 10523

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gatgggttgt tggtagaatg ctgttggggg ggtgaaagca agttggttga atggcagcaa 180
ttgttgcagt tgtaagaggg tgccagcggt aggcgcagcg tgctggtnga acggcaacaa 240
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ttgttgcctg tgtnaataag caggagagtt caaagctgtc agttggttga atggtagaaa 360
ttgctggggg tgggcnctg ctgctgggt gaatggtngt tgttgttgtt gccctccga 420
agccgcgttc aatgcctctt gttggtttgt atggctgaaa ctgttgttgc ttgtgtgttc 480
ggccgctcgg tttgctcgcc ctggttgcgt ttgttgtt 518

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<210> 10524
<211> 341
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-A3

<400> 10524

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tttttttttt tttttttttt tttttttttt tttttgccgc ccccgccctc ttttttggcc 120
cctccccctt ctggnntttc aacggggggc cccgcgaggg ggggtggttg ggggaacccc 180
cccgggtttt ccaaaccggt gtgggtggct ggccccaatt ggggccgttg ggggaggggc 240
ccccctttg ggccccggg ccggtggccc ccgcaaaacc gggggtggtt tcgggggggg 300
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<210> 10525
<211> 308
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-A8

<400> 10525

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tttttttttt gggggggggg tttttttttt gtgggggggg ggttgggggt tggtttgggg 120
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 ggggggcggc cgctcccgtg cggggggggg cgcgccgggg ggggcgggcg gngggggggg 240
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<210> 10526

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-A9

<400> 10526

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 actgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
 gtgccagcgt taggcgcaac gtgctggtag aacggcaaca actgtggttg tgtcaagaag 240
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 ggtagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagagtt caatgaacct 420
 agttgggtga atggaagaaa ctgctgttgc tgagagttgg cagcaagggt tgctagcaca 480
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<210> 10527

<211> 500

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B11

<400> 10527

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 agatttccca aatgtcatga atcagtagta gggcggaatg gcagcggaga cgccacaggg 180

gttgggtgctg tagctgggca gctgggtactg gtagagtcca cccatggccg gcatgttctg 240
cgccatcatc atggccatgg ggttgagacc ctgggctgcc agcagctgct gctgctgctg 300
catcagagct ggctcgtaca ggctgctgct ggcggcagcg gcacgctcaa gctgcatcat 360
catctgcagc tgctgcgcga cggactgcac gtccatcatc ctcatctgct gctggcagca 420
ctgttgcccg agcggctgga acatggcgct cggctgcccc caccggcggt tgttgggcgc 480
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<210> 10528

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B12

<400> 10528

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gggggccccct tttcgggtcc cttttttttg gggggggggg ggtggccccct cccacgggtg 180
gttttttccct taacaaaaca gggtttttca aagagaaccg gttgtttggg ggtaattttt 240
tttttttttg ggggggggcg ccccttgggt tggccccccc ccctgggttt ggttactgtt 300
gtcccttttg tggggccccc cccccgcccc cccttttttt tttgttgagt ggggcctgct 360
ttttcccggtg ggccaccggg ttgcccc 388

<210> 10529

<211> 531

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-B3

<400> 10529

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ctntgagggc accattatcg agtacatctc atatgtaac taaaagatgg caccaccaac 120
gatgggttgc tgccacgaca aggcagggtt catcaaagag aactgggttg atggcagcaa 180
ttgttgctgc tgtaggaagg cagcgaccaa tgggttagcc accgctagtg gattaagtaa 240

ctgttgctgc tgttgtaggt acgcagcaga gttcgacaca gtcagttggt tgaatggaag 300
tagttgttgc aagtaggcag cagggtttgc cacagctagc tgagtaagag ctggtacaat 360
ttgttgcagc aactgttggt gcaacaactg ttgttgcagg tttgtnggtg cattgccccat 420
agcgagcggg ctagatgaaa gaagttgttg ctgttgtagg taggcgatag gggttcacat 480
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<210> 10530

<211> 545

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-B4

<400> 10530

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gaaatctcca aatcttgcag tgtccctcct gttagatcct gaagagtata gcccttttca 180
cccactcaca gcataacttt aactcccccc cccccccacc aatgctatca cctacgtact 240
atctatgcgc cgctcctgcc tttcttcgac ttgttcttgt tttcttgtgt cttctttttc 300
ttctcttcag gtgttgcca cacgtaattg gaaggaatgg cgaatgggtc ctggatgtcc 360
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cactgaatcc aggaacttga agaaggctgc actgctgggc tcttgctgtt gtcnngactt 480
gaggggtggtg tgggtgaactc atctagcggc tgtagctctt caaattttgt gaatgtcaca 540
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<210> 10531

<211> 515

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-B5

<400> 10531

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gcaaacggaa agattcacct gagaataaaa caaactacct tggattggac tagagaaaag 120
 ttgggtaccg gaactgctgc gaccaaaccg aatttcatgg caaacttctt gtggttacag 180
 tctagcatct cgctgaggct gcagctcgag ttcattctgct taagcacctt gtggcggtac 240
 tccaggctcc tcttgaggcc atggcgaaaag aactgggggt aacctaccac ctgcgccatg 300
 tcccccccca tctcttcgac caggaaacttg atccttggct ccaggcaatg tttgatgctc 360
 ttggtgagaa caggagggtt accagcttcc agtgccgtga cctgatccct gctgnatccg 420
 cggctctgtt ggaacgcagc attgggccgc nggatcttat ccacgtctcg cgacagttaa 480
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<210> 10532

<211> 226

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-B6

<400> 10532

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 cgatggggtt ctgcctggac aagacagggt ttatcaaaga gaactgggtt tntggcagca 180
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<210> 10533

<211> 520

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B7

<400> 10533

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 gtagaatgct gttgggtttt tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
 taagaggggt ccagcgttag gcgcagcgtg ctggtagaac ggcaacaatt gtggttgtgt 240

caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
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 ggcagcagat agctggctga atggtagttg ttgttgctgc aaattagaag cagagttcaa 420
 tgcagctagt tgggtgaatg gaagaaactg ttgttgctga gagtaggcag caaggtttgc 480
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<210> 10534

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B8

<400> 10534

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 agggcggggt catcaaaaa aactggctgt ttgggtggcaa ttgttgcttc tttgggaagg 180
 cggggcccaa tgggttaggc cctgctagt gtttaagtaa ctgttgctgc tgttggtggg 240
 cccccgccgg gtcccccca ttcagttggg tgattggaag ctgctgttgc aagtgggccg 300
 cgggggttgc cactgcttgc tgggtcagag ctggtccaat ctgttcacc atttggtgtt 360
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<210> 10535

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B9

<400> 10535

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 gccgctgggt ctgtcaaagc aagttggaca aagggaaca attgttgtag ttgtaagagg 180
 gttgcggggg tagccgcaaa ctgctggtag aaaggcagca actgttgctg tgtcaagaag 240
 gaagcacggg ttgctgcagc tagctggcta aatggtagta gtatttgctg ctgcaaataa 300

gcagcgggggt tcagtgcggc caattgggta aatggaagaa gttgttggtg ctgagagtag 360
gcagtagcta gctggctaaa tggtaatagt tgttgctgca aataagcagc agggttcagt 420
gtagacagtt ggttgaatgg aagaaattgt tgttgctgag agtagggaga aagggttgcc 480
agagctactt ggttgatcag aggtagcacg agttgctgca gctgttggtc cc 532

<210> 10536
<211> 375
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-089-Q1-N6-C10
<400> 10536

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gggggggggt ccccccccc ccccgggggg gggaaattgg ttaactgttg ggggaaaaat 180
ttccccccaa aaaaattttt acccgcccca aaaaaaatgg gggggggggt taaaaggacc 240
gccccccccc cctggggggg gggggggggc cccctgcggc cctttttcgg ggttttcgg 300
ccctccccaa aatggggggg agggggggcc cacccttgtc ccccccccc tttttgggg 360
tcttgggccc ccgaa 375

<210> 10537
<211> 486
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-C11
<400> 10537

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acgctgctgg gtttgtgaag ggaagttggt tgaatggcag caattgttgc agttgtaaga 180
gggtgccagc gttagggcga gctgctggt agaacggcaa caactgtggt tgtatcaaga 240
aggtagcagg gctcacacca gctagctggc tgaatggtag tagttgttgc tgctgtaa 300
aagcaggaga gttcaatgct gccagttggt tgaatggaag aaattgctgg gggtnngcag 360

caggtagctg gctgaatggt agttgttggt gttgcaaata agaagcagag ttcaatgcag 420
 cttgttggtt gaatggaaga aactgctggt gctgagagtt ggccgcaagg tttgcttgca 480
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<210> 10538

<211> 390

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-C12

<400> 10538

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 ctgcaaggcg ggggggggtc aaagagaact ggttggtctgg cagcaattgt tgttgctgct 180
 gcaggaaggt tgcgaccaat gggtttgccc ctgcccattgg attagtnac tgttgctgct 240
 gttgtnggtc cgccgccngg tttggcccag ccggttggtt gaatggaagc aactgttgct 300
 agtgggccgc tggggttgcc tccgcttgct gtgtccgggc tggttccctt tgttgctgct 360
 cctgttggtt tgggttcggt ggtgccttgc 390

<210> 10539

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C4

<400> 10539

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 gtagaact gttgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
 taagaggggtg ccagcgttag gcatagcgtg caggtagaac ggcaacaact gttgttggtg 240
 caagaaggca gcagggctca catcagctag ctggctgaat ggtagtagtt gttgctgctg 300
 taaataagca gcagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta 360

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405

<210> 10540

<211> 553

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C5

<400> 10540

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aactataac cataagcaat ctaaaagagg gcaccgcaa tgatgggttg ttggtagaac . 120

gttggtgggt ttgtcaaagc aagttggttg aatggcagca attgttgagc ttgtaagagg 180

gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240

gcaacagggc tcacatcagc tagctggctg aatggtggta gctgttgctg ttgtaaataa 300

gcagcagagt tcaatgctgc cagttggttg aatggaagaa attgctgggg gtaggcagca 360

gctagctgac tgaatggtag ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420

tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480

tggtgtagtt gttgtgcctt gatgttttgt gccacaaat gcaccaaagg taactgctgt 540

aatagggctg aca 553

<210> 10541

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C6

<400> 10541

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taaaaaaaaa aaaaaatttt tgggcccttt ttttttaaac ccccttttgg gattaaaacc 120

gttggggaaa aaaatttttt tttttcaaaa ccccccaaatt ttatttgctc cccgggggtt 180

tttttggggg gttggggggc ccccccccc cctttttggg gggttttttc cctttttcaa 240

aaatcccccc ccccttttga attttttttg aaacccccca aaaaaaaaaag ggggggggtgt 300

ggcccccccc ccgttttttg gttcaccccc ttttaaaatt ctttgggaaa attttttgg 359

<210> 10542
<211> 464
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C7

<400> 10542

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tcgtcttact gcattttttac atatttttgat tgggggggggt gggtagagga gatttcccaa 120
atttcacatgaa tcagtagtag ggcggaatgg cagcggagac cccacaaggg ttggtgcgga 180
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gcagctgctg cgcgacggac tgcacgtcca tcactcat ctgctgctgg cagcactgtt 420
gccggagcgg ctggtacatg gcgctcgtct gcccacacc gccg 464

<210> 10543
<211> 548
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C8

<400> 10543

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gtggtcaagt tcaacgcggc gctggcgcac cacatcatgg ccggcgccga cgtgctcgcc 180
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gtgaggaact gcatgatcca ggatctctcc tggaagggcc ctgccaagaa ctgggagaac 480
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<210> 10544

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C9

<400> 10544

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gagggcgcac atatcagcat gagaacttta ttattacagt ttaaatacata aaaaatctag 120

aagatggcac caccaatggt gggcgattgc aataaggggg taggattcgt caaagcatgt 180

tggctaaatg gcagcaattg ttgttgttgt aagaaggcaa caatgtttgc cacattatgt 240

gggtagaatg gcagcaattg ttgctgttgc aagaaggcat taatgtttcc cacaacctgt 300

gggtaaaatg gcaacaattg ttgttgtcgc aagaagaag caatgttttc cacagcttgc 360

aaatggaatg gcaaaagctg ttgttgcagt aagaaggcat cagggtccc gacaagttgg 420

ttaaattggt gtagttgttg tgcctgcaag tagacagcag ggttcacccc acctagttga 480

ttgaatggaa gaaattgttg ttgct 505

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<212> DNA

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<223> Clone ID: LIB3061-089-Q1-N6-D10

<400> 10545

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gatatatcag tcgcagtata tagagagaga tctagcaaag tcgcaaccaa aaacaactgt 120

atcttcggct ccaactaaca acatcgaaag cgaacaagac tctcctctgg tccttcacgt 180

ctcaagcaga ccttgcactc tttcttctca cctgcaaaat tgggtctccac gtcataaatg 240

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gggtggggcct tgctgaccac gtccctgtgc cgggcactct ccttctgttc cttctttacc 480
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gcgtccgatt 550

<210> 10546

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D12

<400> 10546

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ccatgggttaa gtatcgctc cggtcgggt gggggcggac atactactag ttcacaaatc 180
gccacaaaac gacaaagcca gaactgatta cgacaacatt tacagccata cgtgctggcc 240
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gtgacttcct tcacttcgtc cacgtccacc ttcaggaaga cgacctgagt gaacttcttg 480
gcgtgttcga cgaacagtgg ggcgatggcg cggcctggac cgcaccaggc ggcagtgaag 540
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<210> 10547

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D2

<400> 10547

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aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
gctgctgggt ttgtcaaagc aagttggttg aatggcagca attgttgagc ttgtaagagg 180
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<210> 10548

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D5

<400> 10548

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ggattaacga tgttggggga aactttttatt caagtgtttt tttttttaac tttgaaattt 120
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ttgttggtta aaaaatcttt ttgtttgtcg tggttacca aagcttcaaa acattttttt 360
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<210> 10549

<211> 553

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D6

<400> 10549

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ggtagaacgc tgctgggggg gggaaagcaa gttggttgaa tggcagcaat tgttgagctt 180
gtaagagggg gccagcgtaa ggcgcagcgt gctggtagaa cggcaacaac tgtggttgta 240
tcaagaagg agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300

gtaaataagc aggagagttc aatgctgcc a gttgggtgaa tggaagaaat tgctgggggt 360
 aggcagcagg tagctggctg aatggtagtt gttgttgttg caaataagaa gcagagttca 420
 atgcagctag ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg 480
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<210> 10550

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D8

<400> 10550

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 tactcggtag gaagtgatta ctatgctgat ggcccacaac tttcttaaac cttgaaccca 120
 cggtgttcc tgctgccacg agccttctcg aacttccttc cttggagcg cacatatggc 180
 ttggtgtggc tgtgcggcac tccaggagcc ttgccgaagt gcctcaccgc ctcacgggca 240
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 tcaaattgtga ggcaactcccc accagcattg acaatcctgg cccttgccgt ctcggtgaac 360
 ctcagggcag taaccttcat tgctggaacc tcttgatcc tcttgatc tgtgactgtg 420
 ccaacaatca cagcaatgtt cttctccttt ccttccatga acttgacaag gcggcgcatg 480
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<210> 10551

<211> 439

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-E1

<400> 10551

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 gatagattcc acgcgttagg tgccccctc acttagcatt cttagacagg ttattctttt 180

ctccatctcc tcagtttcct tccctagagg taaactaaaa cacgttcagt aaggtcggta 240
 tcgccaatcc gaccttgatc tgctgcttcc gctgctgggg ccatcgccgt aattttcatc 300
 ttgaccaccg ctgaacctgc caaaagatct cattgaacca taagctccgt taaggtccgt 360
 gggatcaatg ttaccactcc cagttgnatt attctcaagt ggttgacccc .gtgtctattg 420
 aacctcatgg ccataatt 439

<210> 10552

<211> 484

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-E10

<400> 10552

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 tatttntntt ttnntttggn nntttgttng gggggggcctn ntttngggtg gttgtttttt 120
 tttttttctc cttttgtttn nnnttngggg gggggggggg cgcncntttt tctcactgnt 180
 cccccctcc gtgccccct gnggtnnncc cgnngcggcc ccccccccc ctggggggggg 240
 gggecccttt cgcccccccc cccctttttt tttttttggc gggggggggc cccccccttt 300
 tttttgcccc cccccccctt tttttnccgc gggggggggg gtttttgggg gggggggggg 360
 gcccccccc cccccggggg gggggggggg gcgggnnaaa ccccccccc cttttggggg 420
 ggggggcccc ccccccccc ccccggggg gggccccccc ccccgcggg gggggcccc 480
 cccc 484

<210> 10553

<211> 147

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E12

<400> 10553

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ggttggtggt agaacgctgc ttggttt

147

<210> 10554

<211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E3

<400> 10554

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tttaattgca atttctgcaa taaacattgt tttgatgagc tggactggct tcttccaact 120
cagactaggg atcagggttg ccaagtttag ctcatcacc ggagtcgtct tcctcctcgc 180
taagctcttc atcactggac ttgtcttccg gagtgatacc agcgtcctct ggtttgcat 240
acttctcaca atattctttc actttctgtt cataaacagg acgatcacgc atcatcagt 300
ctgcagctc cccatttaat ggatcagaag gatttgata tagtaacagc tgtggaagga 360
atacttcaaa aacatttact agatcaaaca ttgggtcca tgtttggttt ttgacatcta 420
aacatacaga gccagacatc tcatcgacat ttgggtgata aatcttggtg atgaagccga 480
tggacgggga tttgtaagga tatgcatcag gcagttctac cctaacct 528

<210> 10555

<211> 506

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E5

<400> 10555

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tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg ggttggtggg 120
agaacactgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
agagggtgcc agcgttaggc gcaacgtgct ggtagaacgg caacaactgt ggttgtgtca 240
agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcagg agagttcaat gctgctagtt ggttgaatgg aagaaattgc tgggggtagg 360
cagcaggtag ctggctgaat ggtagttgtt gttgttgcaa ataagaagca gagttcaatg 420

aacctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta 480
gcacaagttg ttgtagttgt tgtgcc 506

<210> 10556

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E6

<400> 10556

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ctacaggcac agacgctggg ggggagaagt taaaagaagc caacatgctt actacaaaaa 180
gtagtctggg gtcttgcgcg tcatgtccgg ctcaatttgc cgcgagctg ggtcgaattg 240
gaggaagttc tgatccatgt tctcgccaat ttogaggatg gcagccatgt ttccgcatcg 300
gtagcagtag ttaggcgcgc tgaacactgt cacaacgttc ttatcctgac accaattgaa 360
gccttccatt acaagttgat gtgcccttga aataagactt agcccatttg tatggttgaa 420
ttgttgtgca atatcttggc caaatgtgta tccagcacc cttggtgaaa ttccccaccc 480
gcatcgggtca tctgggtcag accacaaaaa atcacacata ggtccttcat gt 532

<210> 10557

<211> 355

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E7

<400> 10557

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ccttttgggt ttgtcaaacc aagttggttg aatggcccca attggtgcaa ttttaaaagg 180
gtgccccct taggcatttc ctgccggtta aaccgcaacc accttttttt tgtcaaaaag 240
gcaacagggc tcacatcaac taactggctt aatggtagta gttgttgctg ctttaaataa 300
accocaaaat tcaatgcttc ttgttggttg aatggaaaaa attgctgggg gtagg 355

<210> 10558
 <211> 509
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-089-Q1-N6-E9

 <400> 10558

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tagaactaca tcatttatga aacaggggtc ctgtnttgct aaggatccca ttaaaagtca 120
tattcaataa aaggttgcgg atgaaacatc gcgaactaca aattctatgg cacaacagaa 180
gcaggcaggc atgaagctcc tcagttcatt ccaaccgcac ggtatgataa cgccccagga 240
ggccaggagc caatgcgaaa gttgagctaa attacacctt gcttgccccg ctccgttcaa 300
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aggagaagcc tggatcgatg tagtctctg 509
  
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<210> 10559
 <211> 367
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-089-Q1-N6-F10

 <400> 10559

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tttttttttt tctttttttt ttcttttttt tttttttttt tttctttttt tttttttttt 180
ttcttttttt ttcttttctt tttttttttt tttttctttc tttttttctt ttttttctct 240
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<210> 10560
<211> 532
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-F11

<400> 10560

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aactttatta ttgaactata actcataaga aatctaaaag agggcaccac caatgatggg 120
ttgttggttag aacgctgctg ggtttgtcaa agcaagttgg ttgaatggca gcaattgttg 180
cagttgtaag aggggtgccag cgttaggcgc agcgtgctgg tagaacggca acaactgtgg 240
ttgtatcaag aaggtagcag ggctcacacc agctagctgg ctgaatggta gtagttgttg 300
ctgctgtaaa taagcaggag agttcaatgc tgccagttgg ttgaatggaa gaaattgctg 360
ggggtaggca gcaggtagct ggctgaatgg tagttgttgt tgttgcaaat aagaagcaga 420
gttcaatgca gctagttggt tgaatggaag aaactgctgt tgctgagagt aggcagcaag 480
gtttgctagc acaagttgtt gtagttgttg tgccctgatg tttgtgccat at 532

<210> 10561
<211> 307
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-F12

<400> 10561

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attcaaaaaa ttctttttga agtttactct aagcatctaa aaagggcccc ccccaaattg 120
gtttttggtt gaacgggggg ggggtgtca aaacaagggt gttgaatggc agccattgaa 180
gcaattgtaa aaggggtgcc gcgttagggg caccgtgccg gttgaacggc aacaactgtt 240
gttgtgttca gaaggcgaca gggcctcaca tcanctagct ggcttaatgg ggggggctgg 300
tgctgtt 307

<210> 10562
<211> 299

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-089-Q1-N6-F3

<400> 10562
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 tttttttttt tttggggggg gggggggggg tgccccctt ttttggggg gggggcccct 180
 tttttttttt taaaagggg agcccgcggt ttttcgctt ggggggtntt ggggggtttt 240
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<210> 10563
 <211> 456
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-089-Q1-N6-F4

<400> 10563
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 caaccgatcg gtttgacgat tattctccta tttattagca ccagcttttt ttttttagcc 120
 atgtctggag tctggacttg caagcaaccg agatcgggtga ttcagagata gattcatcgg 180
 tttgcatgag catgacttgt tggcagccac tttttttcac caccattcac caacgcatgt 240
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 cgtcaggaca gttgaccctt ccaccacctt gaaagtggca ccgcagattt ctttttcgtc 360
 ggcggggaca gcggtgacct tgtgcttggg gttttcgtag cacttgagcc cttcgagggc 420
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<210> 10564
 <211> 385
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-089-Q1-N6-F6
 <400> 10564

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 ctgctggggtt tgtcggaggg aggggggttga atggcagcaa ttgttgccgt tgctagaggg 180
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 tagcngggct cacaccagct ngctggctga atggtagtng ttgttgctgc tgtnaataag 300
 ccggagagtt caatgctgtc cggtgggttga atggaagaaa ttgctggggg ttggccgcag 360
 attgctggct gaatgggtgt tggtg 385

<210> 10565

<211> 392

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-F7

<400> 10565

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 ttggaggctg ctgggtttgt caaagcaggt tggccaaagg gcaacatttg ttgtgggtgc 180
 aagaggggtg cgggggttagc cgcaaactgc ttgtngaaag gcatcatctg ttgctgtgtc 240
 aagaaggaag cgcgcttgc tgcagcttgc ttgctaaatg gccgtngttt ttgctgctgc 300
 taatccgccg cggggtttat tgcggccaat tggttttttg gaagaagttg ttgttgctgt 360
 gtgttggcct ttgctcgctg gctaaatggt aa 392

<210> 10566

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-F8

<400> 10566

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ctgctgcaat aagggggggg gattcgtcaa agcaagttgg ttaaattggca gcaattgttg 180
 ttggtgtaag aaggcgacat tgtttgccac atcctgtggg tagaatggta gcaactgttg 240
 ctggtgcaag aaggcgtaa tgtttccac aacctgtggg taaaatggca gcaattgttg 300
 ttggtgtgca aagaaagcag caatgtttgc cacaacttgt agatggaatg gaagcaactg 360
 ttgctgcagt aagaaggcag cagggctcct gacaagttgg ttgaatggta gtagctgttg 420
 tgcctgcaag taagcagcag gggtcacccc agctagttga ttgaatggaa gaaattgttg 480
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<210> 10567

<211> 513

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-F9

<400> 10567

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 gggggaggct gctgggtttg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
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 caaataagca gcgaggttca gtgcggccaa ttgggttaa ggaagaagtt gttgttgatg 360
 agagtaggca gtagctagct ggctgaatgg taatagttgt tgctgcaaat aagcagcagg 420
 gttcagtgtg gatagttggg tgaatggaag aaattgttgt tgctgatagt agggagaaaag 480
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<210> 10568

<211> 556

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-G10

<400> 10568

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agaacactgt tgggtttgtc aaagcaagtt gggtgaatgg cagcaattgt tgcagttgta 180
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aataagcagc agagttcaat gctgctagtt gggtgaatgg aagaaattgc tgggggtagg 360
cagcaactag ctggctgaat ggtaattggt gttgcaaata agcagcagag ttcaatgcag 420
ccagttgggt gaatggaaga aactgatggt gctgagagta tgcagcaagg tttgctagca 480
caagttgttg tagttgtgtg gccctgatgt tttgtgccac caaatggacc aaaggtaact 540
gctgtaatag ggctga 556

<210> 10569
<211> 263
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-G11
<400> 10569

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nnnttttttt gggggggggg gggttttttn ttggggnntt ttttttaatt tttttttttt 180
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<210> 10570
<211> 513
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-G3
<400> 10570

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actggttgggt ttgtcaaagc aagttgggtg aatggcagca attggttcag ttgtaagagg 180
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 gcagcagggc tcacatcagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcagcagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtnggcagca 360
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<210> 10571

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-G4

<400> 10571

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 acccccgggg ttttcaaacc caagtgggtt ttttggcccc cttttttccc tttttaaagg 180
 gggccccctt ttggggcccc cctctttttt tcccccccc cccctgggtt ttttcaaaag 240
 gggggcgggg tcccccccc cccctgggtt taaggggggt attttttcc cttttttata 300
 cccggggagt ttcaacgcc ccttttgggt ggtgggaaaa aatttttggg gggggg 356

<210> 10572

<211> 533

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-G5

<400> 10572

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 gagcagttca agttccaaca ttcaccacat gttgtttact gacatctgtt ttctagttct 120
 gaatttatcc gttcaggggt gcatgcaact gtcggctgtt atttttatct ctcgcaattg 180
 aggtgtcaga tctgtccttg ttccccaatt ctcgaggggg gaggtgtcat ttctccctt 240

ttgtctatag aagaaaaacc ctgtgctca attgtacgcc acctgactgc aaaaactcta 300
 tcttcagctt gtcgctttcc tcacaaacag cttttgaacc tgctccaatg tcaagaacat 360
 aatcacattc caagatccca gtcttgcaaa gtttggcagg aagcctttgt naaatgccaa 420
 agggccatca ttcttttagcg,tcttcacaaa acaatcgaga gtgcttttgt tggctgagtc 480
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<210> 10573
 <211> 442
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-089-Q1-N6-G6

<400> 10573
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 tgaactagct ttagcccttt tgggtgcttg tcagcggctc ctttccattt ttcctccctg 180
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 gccgcgggct cccctgcgg ctgctgctgc tgggtgggact gctgggtccc cccttttgc 360
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 tccttgctct ttggcggggt gt 442

<210> 10574
 <211> 206
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-089-Q1-N6-G7

<400> 10574
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 cctgggggtt ttgtccccag gggggggggg ggggggctcc tttttttctt tgtggggggg 180

gggccccctt tggttttttg gtcggg

206

<210> 10575

<211> 257

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-G9

<400> 10575

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ttttntgggg gccdccccaa tttggggggg gggggggggg gctcttgcc tggccaaacc 180

antttgccct aagaaaacca cacacccttc ctgtccgggg ggttttgggg ttgcccccg 240

cgggcctttt gggggggg 257

<210> 10576

<211> 395

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-H2

<400> 10576

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nnnnnnnnng nggnnggggg gggggggggg gngggngggg gggggggggg gggggggggg 180

gggggggggg gggggggggg gggggggggg gggggggggg gngggggggg gggggggggg 240

gggggggggg gggggggggg ggnggggggg gngggggggg gggggggggg ggggggaggg 300

ggnggggggg gngggggggg gggggggggg agggggaggg gggggggggg gggggggggg 360

gggggggggg gggggggggg ggggaggggg gggggg 395

<210> 10577

<211> 523

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-H7

<400> 10577

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agaactttta taaaaatatt ttcnncccn nnnncnncct ttgggggtccc gcccgggggg 180
cncnnnggng ggnncnnccn cncncacca aaaaaagaaa aaaaccccc ccggggggggg 240
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ccccggcgc ggggggcggg ggggcggggc gggccggggc gcgcgggggg cgggcgggcg 420
gggggggggg gggggggcg gcgggggggg gggggggggg gggcgggggg gggggggggg 480
gggggggggg ggggcggcg gggggggggg gcgggggggg ggg 523

<210> 10578

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-A1

<400> 10578

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atattttccc tccttatgct ccttgctctt tctacatgtg ttgctaacgc gacaattttc 120
cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaattata 180
gcttcagtat gtgaaaacc agctcttcaa ccatataggc ttcaacaagc aatcgcgagca 240
agcaacatac ctttatcgcc cttgttgttt caacaatcac cagccctatc tttggtgcag 300
tcattggtac aaaccatcag ggcacaacag ctgcagcaac tcgtgctacc tgtgatcaac 360
caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
caactgtcta cactgaacct tgctgcttat ttgcagcaac aactattacc atttagccag 480
ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
aaccccgctg cttatttgca 560

<210> 10579
<211> 577
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-A11

<400> 10579

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cccacgcgtt ttttgnata cagtagcaaa atagcgtggc gggggggggc aagatataaa 60
acatccttat gtccttgct ctttctgcat gtgttgctaa cgcgaccatt tttcctcaat 120
actcacaagc tcctatagct gcccttcttc ccccatacct tccatcaatg accgctttag 180
tatgtggggg ctgcatgggg tgcaacccta cangatccan caagcaatct caacaagcaa 240
cttaccttta tcacacctgt tctttcaaca atcgccagcc ctatctttgg tgcagtcatt 300
ggtacaaacc atcagggcag aacagttgca gcaactcgtg ctaccagtga tcagccaagt 360
agctctggca aacctttccc cctactctca gcaacaacaa tttcttccat tcaaccaact 420
gtctatactg aaccctgctg cttatttgca gcaacaacaa ctactaccat ttagccagct 480
agctactgcc tactctcagc agcaacaatt tctttcattt aaccaattgg cgcactgaa 540
ccctctgct tatttccagc agcaaatact actacca 577
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<210> 10580
<211> 351
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-A12

<400> 10580

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atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcggtatg tgaaaaccca 180
attcttcaac cctacaggat ccaacaggca atcacagctg gcatcttacc tttatcacc 240
ttgttctctc aacaatcatc agccctatta catcagttac ctttgggtgca tntattggca 300
caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc t 351
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<210> 10581
<211> 306
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-A2

<400> 10581

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catccacata tataagtttg tggatgaagg gaggtcactt gaacttgtgg gggggagggg 180
ggtggaggaa gttccttttg ctttgtgcca attttcgtgg cgttttcttg cttgggttgg 240
ttctgtgctt tgtttttttg gtcttgggtt ttgttatttt tttttttttg tgttttcctt 300
cttttt 306

<210> 10582
<211> 352
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-A3

<400> 10582

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cttgggttggc gtgttgtgtt tctcgggtgtt gtgttgggtt tgtgggttggg tgggttttnnt 120
nttttttggg gggggggggg gggntntnnt tttttntttt tttttttttt tttttttttt 180
tttttttttn tttttttttt tttttttttt ttgtnttttt tttttttttt tttttttttt 240
tttttttttt tttttttttg tttttttngt tttttttggt tttttttttt tttttttttt 300
ttttgttttt tttttttttt ttttttggtt tgtttttggt ttctttttct tt 352

<210> 10583
<211> 559
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-A4

<400> 10583

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 aagaatgctt ggaaagaggg cgcgccccct aagcccgcag tgccagtcac cacaccgcag 120
 gaacttgcag aggctgacgg tatcctctttt gggtttccga caaggggtggg ggggtgtgggg 180
 ggtcanatna annctttctt ntattccacc ttttgtctct ggaggagca gagcctcgct 240
 ggctagcctg ccggcttggt cttcagcact ggaaccaggg gtgggtgtct agagactaca 300
 ccggtgacgg tgattacca gttgacgcac cacggcatgg tgtttgtgcc cgtgggctac 360
 accttcggcg ccaagctggt tggcatggac caggctcagg gtggcagccc ctacggcgcc 420
 ggcacgtttt ccgtcgacgg gtcgaggtgg cctagcgagg tggagctgga gcacgccttc 480
 caccagggga aatacttcgc gggcatcgcc cagaagctca agggctctgc ttggatctgc 540
 acatacccct tatcataaa 559

<210> 10584

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-A7

<400> 10584

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 aaaaatagag caacaatggc ggccaagata ttttccatcc ttatgtctct tgctctttct 120
 gcatgtgttg ctaacgcgac catttttcct caatactcac aagctcctat agctgccctt 180
 cttcccccat accttgggga gtgggcgctt tagtatgtga aaaccagcc cttcaaccct 240
 acaggatcca gcaagcaatc gcaacaagca acttaccttt atcacacctg ttctttcaac 300
 aatcgccagc cctatctttg gtgcagtcac tgggtacaaac catcagggca gaacagttgc 360
 agcaactcgt gctaccagt atcagccaag tagctctggc aaacctttcc ccctactctc 420
 agcaacaaca atttcttcca ttcaaccaac tgtctatact gaaccctgct gcttatttgc 480
 agcaacaaca actactacca ttcagccagc tagctactgc ctactctcag cagcaacaat 540
 ttcttccatt taaccaattg gccgcactga acccctctgc ttatttcca 589

<210> 10585

<211> 549
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-A8

<400> 10585

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cacccttggt cctccaacaa tcacagccc tattacagca gttacctttg gtgcatttat 120
tggcacaaaa catcagggca catcatctac aacaacttgt cctatctggg gttcgcnngg 180
ggctcancaa cancantttc ttccattcaa ccaactagct gcattgaact ctgcttctta 240
tttgcaacaa caacaactac cattcagcca gctatctgct gcctaccccc agcaatttct 300
tccattcaac caactgacag cattgaactc tcctgcttat ttacagcagc nacaactact 360
accattcagc cagctagctg gtgtgagccc tgcttccttc ttgacacaac cacagttggt 420
gccgttctac cagcacgctg cgcctaacgc tggcacccctc ttacaactgc acaattgct 480
gccattcaac caacttgctt tgacaaaccc agcagtattc tacccaacaa cccatcattg 540
gtggtgccc 549
  
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<210> 10586
 <211> 596
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-B10

<400> 10586

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caacaatacc tctctccggt gacagccgcg ggatttcaat acccaactat acaatccgga 180
cagggggcaa gaggccatcc aagcaagcat cttacgggtca ttagcattaa cctccaaca 240
accatattgt ctattgcaac agccatcctt agtgcatctg tatctccaaa gaatcgcggc 300
acaacaacta caacaacagt tgctaccaac aatcaatcaa gtagttgcag cgaaccttgc 360
tgcttacctc cagcaacaac agtttcttcc attcaatcaa ctagctgggg tgaaccttgc 420
tatctacttg caggcacaac agctactacc atttaaccaa cttgtcggga gcccttatgc 480
  
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cttcttactg caacaacagc ttctgccatt ccattctgcaa gctgtggcaa acattgttgc 540
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<210> 10587

<211> 318

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-B11

<400> 10587

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 acgcagcagc aacaagcacc gagccaccna gccgnggnga acccnancgc cnacnngcaa 180
 caacagcngc nngcancaa cccacnngcn nnggcaaacy nagcngcana ccaacaacaa 240
 caacagnngc aacagnnnca accagcgcnc agncaaccag ccangnggaa cccnancgcc 300
 naccacaac agcaacaa 318

<210> 10588

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-B12

<400> 10588

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 aatatctgcg tacctagagg tgcggatag gattctccgc ctataataag tcggctgcca 120
 naggcggaaa aaaatctctg tttgtggcgt gcggaaggag tcggagggaa ccgaaaactc 180
 aggggctcga atttcctagg agcggaggcg atggctggga agggaggaaa aggattgctc 240
 gccgcgaaga cgacggcggc caagtcggcg gagaaggaca aggggaagaa ggcccccatc 300
 tcacggtcct cccgcgcggg cctccagttt cctgttgac gaatccaccg tcagctgaag 360
 caaaggactc aggcaaatgg ccgcgttggg gccactgcag ccgtctactc tgccgccatc 420
 ctggagtact tgactgccga ggttctggag ctggctggga acgctagcaa ggatctgaag 480

gtgaagcgta tcacccctcg ccacctacag ttggccattc gcggagacga ggagctggac 540
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<210> 10589

<211> 517

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-B2

<400> 10589

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tccagtacat cgccttcgag acgaaccctg acaccatggt cagccacgtc gccgggaaga 180
actccgtcct gagcgacttg ccggccgccg tcatcgccag ctcgatatgc atctccatgg 240
aggaagctgc agagctcaag aacggttagga agcatgagct ggctgtgctt actcctgctg 300
gcagtggcag ctaccaaaa ggtcaagctg gcagcgccca acagtaggca caacctcaga 360
gtgatctgcc tgaataagta ctcgtagact gtaataatta aacaaagctt gctcatgggt 420
aaactgcgtg ttgattagtc tttcaactac atagctctaa agtttttgat acaccgagtg 480
atttgccagg aaaaaaagag cagattgttg taagcaa 517

<210> 10590

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-B6

<400> 10590

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gtacannatc caacanncaa tcacantttt cttcttacct ttatcacct tnttctcca 180
acaatcatca tccctattac atcatttccc tttnttgc at ttattggctc ataacatctt 240
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gtttcttcca ttcaaccaac tagctgcatt gaactctgct ttttatttgc aacaacaaca 360
 actaccattc agccagctac ctgctgccta cccccagcaa tttcttccat tcaaccctact 420
 ggcagcattg aactctcctg ct 442

<210> 10591
 <211> 273
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-B8

<400> 10591

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 tttctctccc ctttcccccg cttccttttt tttgtttag cccctcctt tcccccttt 180
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 cctcttcttc tttctcttt cccctttct ccc 273

<210> 10592
 <211> 541
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-B9

<400> 10592

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 ttagatcaat ctaagatttc gattcccagt aaaaaaaaaa gaatataata gaaaaattgg 120
 gacaaaaaat aattgggggg ggtggggggc ttnntacaac ccaaaatcac cattcctttt 180
 ggttcgcaca accaaaaaat tttctgaagg tctacaggaa gataaaaaaa tacggaattg 240
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 ctcaagttct gaagtaatta cacatataga aattcaaaaa gaaatcgata caatccacgt 360
 cataatccat attggattcc ccaacttatt aaagaaaaag ggagcaatcg aagaattaga 420
 gaaagatctc caaaaggaag ttaattctgt aaaccagaga cttaatatgg ctatcgaaaa 480
 ggttaaagaa ccttatagac aacctaatat tcttgcggaa tatatagctt tccaattaa 540

a

541

<210> 10593

<211> 149

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C1

<400> 10593

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aacaagctcc tatagcggtc ccttcttccc ccgtacctgt caccagcggg gtcttggtg 120
tgtgaaaacc caattgttga accctacag 149

<210> 10594

<211> 598

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C10

<400> 10594

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agcggcgcg ggcggcgggga gttcgccgcc aaggactaca cggaccgcc gccggcgccg 180
ctggtggacg gttctggact gggttcgtgg tcgctgtacc gcgcggtgat cgcggtggtc 240
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ctggtgcgcg cgctgctgta catggtggcg cagtgcctcg gcgcggtctg cggcgctcggc 540
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<210> 10595

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-C11

<400> 10595

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gggatctgtt caccgatcaa gcgagcaacg aaggccggcc cgttggtgcc catttcgggg 180
ggtgatgggg cgtgacgtcc ctgtccatga actacaagtt tgaggagctg gcgcagaccc 240
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gtcttccgaa actgctccgc gagactgtgc gaccgtgagt gcttcttggg caggggtctgg 540
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<210> 10596

<211> 588

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C12

<400> 10596

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ccttcctatt tctcatacct aactaaccta atagtttgtc gtggaccatg aggcccaaca 180
gagcgacaaa gccacctca gcacctcacg acaaaaaaaaa tccccaaacc ctattgtagt 240
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ccacatgcc tggagacacc agcacctccg ttgcgccatt gtgggtccgc agcacagcta 360
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tctgtcgtcc gtcgtccgag gcttcaatcc accatagtca ggcgtgtcac cgcgtgccag 480
gacagacaac caggtggcaa ggtcccatcg agccgatgtc caagcccacc taacctgtgg 540

ccacccgacc ttacctcccc tgatttgctg cttgcagtac tggaatgt

588

<210> 10597

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C2

<400> 10597

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tggcagccaa gatttttgcc atccttgccc tccttgctct ttcagcaagc gttgctaccg 120

cgactattat tccacaatgc tcacaacaat acctctctcc ggtgacagcc gcgagatttg 180

aataccgggg ggggggggcc tacaggctac aagaggccat cgcagcaagc atcttacggt 240

cgttagcatt gaccgtccaa caaccatatg ccctattgca acaaccatcc ttaatgaatc 300

tatatctcca aagaatcgca gcacaacaac tacaacaaca gttgcttcca acaatcaatc 360

aagtagttgc agcgaacctt gctgcttacc tccagcaaca acaatttctt ccattcaatc 420

aactagctgg ggtgaacctt gctgcttact tgcaggcaca acagctacta ccattcaacc 480

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aagttgtggc aaacattgct gctttcttgc 570

<210> 10598

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-C3

<400> 10598

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ggggtttggt tgggggggtt tttttttttt tttntttttt tttttttttt tttttttttt 180

ttttattnt tccccctttt tttttttttt ttttnntttt tttttttttt tttttttttt 240

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 300

tttttttttt tttttttttt tttttttttt tttttttntt tttttttttt tttttttttt 360

tttttttttt tccntttttc cttttttntt ttttttnntt ttttttttat ttctcttttt 420
 tttttttntt tttttttttt tctttctttt ttctcttttt tttttttttt tttttttttt 480
 ttttnntttt ttttnntttt tttttttttt tttttttttt ttttttattt tttttttttt 540
 attttttttt tttntaacc tcttctctct ctctctcttt tttttttttg tttttttttc 600
 tctgtttttt tttttgtccc ctctttctcc tcccccccc 640

<210> 10599
 <211> 581
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-C4

<400> 10599
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 tggngaacat gngaaaacca tctgtttagg agaggctcat acttccaacc tctgtcatgg 120
 aaccttagaa tgaaggttgc actgggagca gcaaaaggac tagcttacct tcataggggg 180
 ggaggggggag gttatttacc gagattttaa gacttcgaac attctccttg acacagatta 240
 ttctgcgaag ctttctgatt ttggattggc taaggatggg cctgtcgggtg agaagagcca 300
 tgtgtccaca agagttatgg gaacatatgg ttatgcagct cctgagtatc tttcaacagg 360
 tcacctaaact gcaaagagcg acatctatag ctttggggta gtgcttctgg agatgctgtc 420
 aggccgcgcg gccatcgaca agaaccgtcc ccagggtgag cacaatctcg tggagtgggc 480
 tcgaccttac ctcacacata agcgcaagat attccggatc ctggatacga ggctggaagg 540
 tcaatacaat ctgaacggtg cacaacaat tgctgccctt g 581

<210> 10600
 <211> 500
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-C6

<400> 10600
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gtgttgccag cagctcaggc aggtggagcc gcagcaccgg taccaggcga tcttcggctt 120
 ggtcctccag tccatcctgc agcagcagcc gcaaagcggc caggtcgcgg ggctgttggc 180
 ggcgcanaata gcgcgggggg ggacggcgat gtgcggcctg cagcagccga ctccatgccc 240
 ctacgctgct gccggcggtg tccccactg aagaaactat gtgctgtagt atagccgctg 300
 gctagctagc tagttgagtc atttagcggc gatgattgag taataatgtg tcacgcatca 360
 ccatgggtgg cagtgtcagt gtgagcaatg acctgaatga acaattgaaa tgaaaagaaa 420
 aaaagtactc catctgttcc taaaaaaaaac taaaaaagaa actagggaaa gaaaaaagaa 480
 accagaaatt tctgctgtta 500

<210> 10601

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-C7

<400> 10601

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 tcgctcgccg agccctagcg ccgccgatct cagcccgtac cagtcttgca gatcggggtc 120
 gcgccgcggc ggcaagaacg atggccgagg aggccaaagta cctggagact gcgcggggcg 180
 gcggggccgt gtggctcatg aagtgtcccc cggctgtctc ccgcgcctgg caggccgcct 240
 ccgcctccgc ctcttctctc gacgccgcta acgccaaccc cgttgtcgcc aaggctgtcc 300
 attccctcga cctgctccgc ccagaagaac gccccgaaga gcgcccgaa gagcccacgc 360
 tccagttcaa gatggagttg gcacaaacta aactgggaa tacacctaag agctactctt 420
 tgaatatgtt caaagatttc gtgcctatgt gtgttttctc cgaatctaac caagggaac 480
 tttcatgcga aggaaaagtc gagcataaat ttgacatgga acctcacagt gataatttgg 540
 cgaactatgg gaagttatgt cgtgaaagaa cacaa 575

<210> 10602

<211> 548

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C8

<400> 10602

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ttgcgcttct tgcccttttt gtgagcgcaa caaatgcgtt cattattcca caatgctcac 120
ttgctcctag tgccattatt ccacagttcc tcccaccagt tacttgaggt tgcggggaac 180
acctagctgt gcaagccaac atgcaacaac aagcgcttgc ggcgagcgtc ttacaacaac 240
caattgcca attgcaacaa caatccttgc cacatctaac aatacaagcc atcacaacgc 300
aacagcaaca acagttccta ccagcactga gccacctagc catggtgaac cctgccgcct 360
acttgcaaga gcagctgctt gcatccaacc cacttgctct ggcgaacgtà gttgcaaacc 420
agcaacaaca acagctacaa cagtttctgc caacgctcag tcaactagcc atggtgaacc 480
ctgccgccta cgtacaacaa caacaactgc tttcatctag cccgctcgct gtgggcaatg 540
cacctaca 548

<210> 10603

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C9

<400> 10603

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ttgcgcttct tgcccttttt gtgagtgcga caaatgcgtt cattattcca caatgctcac 120
ttgctccgag tgccattatt ccacagttcc tccctccagt tacttcgggt ggctggggac 180
accagctgt gcaagcctat aggctacaac aagcgcttgc ggcgagcgtc ttagaacaac 240
caattgcca attacaatca acaatccttg gcacatctaa ccatacaaac catcgcaacg 300
cagcagcaac aagcactgag ccacctagcc gtggtgaacc ctatcgctta cttgcaacaa 360
cagctgcttg catccaaccc acttgctttg gcaaacgtag ctgcatacca acaacaacaa 420
cagttgcaac agtttctacc agcgctcagt caactagcca tgggtgaacc tatcgcttac 480
ctacaacagc aacaacttct ttcattctagc ccgctcgcta tgggcaatgc acctacatac 540
ctgcaacaac agttgttgca acaacagttg ctgcaac 577

<210> 10604

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-D1

<400> 10604

cccagcgtcc gaatatTTTtg agcattcaga aacacaccaa gcgaagcgca ctagcaacga 60
cctaacaaca atgggtacca agatattagc cctccttgcg cttcttgccc tttttgtgag 120
cgcaacaaat gcgttcatta ttccacaatg qtcacttgct cctagtgcga ttattccaca 180
ggtcctccca ccagttactt caatgggctt cgaacaccta gctgtgcaag ccaacatgca 240
acaacaagcg cttgcggcga gcgtcttaca acaaccaatt gcccaattgc aacaacaatc 300
cttgccacat ctaacaatac aagccatcac aacgcaacag caacaacagt tcctaccagc 360
actgagccac ctagccatgg tgaaccctgc cgcctacttg caagagcagc tgcttgcatc 420
caaccactt gctctggcga acgtagtgc aaaccagcaa caacaacagc tacaacagtt 480
tctgccaaag ctcagtcaac tagccatggt gaaccctgcc gcctacgtac aacaacaaca 540
actgctttca tctagcccg cgcgtgtggg 570

<210> 10605

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D11

<400> 10605

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aaacccgatg cttggcttcc gtggctgcag gcttggata tcgtaccctg agctaacaga 120
aatgcaaggc cgtgccatct ttgaagctgc tataacgatg accaaccagg gcgttcaagt 180
cgttcganag ataatggttc ctcttggttg aacaccgcag gaattgggac atcaggtggc 240
ccttatccgt caagtcgcta acaaagtttt caccagtatg ggtaaaacta ttgggtacaa 300
gatcgggacg atgattgaga ttcccagggc agctctagt gctgacgaga tcgaggagca 360
ggctgaattc ttctcctttg gaacgaacga cctcacgcag atgacctttg gctacagcag 420

ggatgatgtg gggaagttca tccccattta tctgggtcag ggcattctcc agcatgaccc 480
 cttcgagggt ctcgaccaga gaggagtggg cgagctgggt aagcttgcta cagagagggg 540
 ccgcaaagct aggcctaact tgaaggtggg catttggtga gaacatggt 589

<210> 10606

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D12

<400> 10606

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 gctccttgct ctttctgcat gtgttgctaa cgcgacaatt ttccctcaat gtcacaagc 120
 tcctatagct tcccttcttc cccaacctt ccacaagatg gggcagaggg gaaaaccag 180
 ctcttcagcc ctataggctc caacaagcaa tcgcagcaag caacatacct ttatcacct 240
 tgttggttca acaatcgcca gccctatctt tgggtgcagtc attggtacaa accatcaggg 300
 cacagcagct gcagcaactc gtgctacctg tgatcaacca agtagctctg gcaaaccctt 360
 ctccctactc tcagcaacaa caatttcttc cattcaacca actgtctaca ctgaaccctg 420
 ctgottatct gcagcaacaa ctattaccat tcagccagct agctactgcc tactctcagc 480
 aacaacaact tcttccattt aaccaattgg ccgcactgaa ccccgctgct tatttgagc 540
 agcaaatact actaccattt agccagctag ctgc 574

<210> 10607

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D3

<400> 10607

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 tcattataga tcagatgtga accattctga tcaagcactt gagattgcat ctgatcgtgt 120
 ctattacatt tttcagactc tatatgactg cgaggaagta ttagctacat atcgtgaaga 180

gggtatttgt gggggggggg ggtntcgaga gcaaaatctg attgataagc accattcaga 240
 attcttgaaa tatatgtcga atgatcttaa aaccacagat gttctggatc gttgcttcat 300
 ggagctgctg aaggccataa acagcagttt gaatgatttg aagaaactgc aacagaaaat 360
 agaacagcaa aagaagaaac agcaacagca gaagaagcag caacagaagc aacagcaatt 420
 gcaaaaacag ccagaacatt atattcaagc tctgattgca ctggaaatag aacttaaaaa 480
 taaactgtct atacttggtc tgatgccatc ttcattcttg gcagaggtac tgaagcaatt 540
 gaaggacaaa gcactaaaga gagcggggct gactga 576

<210> 10608

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D4

<400> 10608

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 ggccagcggc gcagcgcaac atgcgcaatc agtgggtccca tctgagcgcc gccaaggagc 120
 agtggctggc cgccgttgct gacggccgtg cccacgcctc cgcgctcgtc aacggggggg 180
 gggggggggg gaacatgccn actatngatt tgggggtgct caaggatatg cgggggatcc 240
 gcgataaggc gaactccaag ttggcgctta gagaggagca atacagcggc atgcttctgt 300
 cggcctacaa ggagatggc cgtcagctgt cctacttggg tgaagcttcc cattctatgc 360
 gccgtttttc taaagcggct ccaaattgcc ccatcacaca gttttctgac cgccaagata 420
 atttgaatga ttcattggat ggtggaggag cccaggtatt caaatgggtc tctgtattag 480
 aatttgagag tcttgcccag gagcttggtc agatgtttgt ttcagagcaa aagttgaaga 540
 ggctgctact ttttg 555

<210> 10609

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D5

<400> 10609

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gcctgaaggt tcaaaacatg agnaaaactg aggcacctc acattcagat ggcacgactg 120
aagatgccac agacagccat acattgttta ctaaattgaa gtcaacaatc tcattctgctt 180
cacggggggg atccggtgcg ttgcaaagt tgaaggacac aaaagtctca acttttagcta 240
agcagggata tgaaatcgtc aaggatgaat taagctctaa ctctagcaga aagaaaaaac 300
accaagctag gcatgcttct gctaaagtag aaaagagtac aagaaccgat ttagttctta 360
cgccaacaaa aaagacagta ttgggtgaaa aatgggaaga atttaagaat aagatccgag 420
gtcaccgggt ctacagaaga gtggatgaat acaccaagcc tgttgtaacc aagggataag 480
aggtagctga agatgtcagg gaaagatggg agacaagtga caatccagtg gttcagaaaa 540
ttcaagactt gaatgaatct ttgcttgaag aaacctcagc tg 582

<210> 10610

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-D6

<400> 10610

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ctgcggcctc ccggccgagt actgcgagtt cgccccgac ttcgagcgct gcaagccctg 120
gctgcgcgcg catgcgcccg gcgtctaccc cgacgacctt gtcgcgcgct cctggggggg 180
gtgcggcggc ggcgacaagg acgtcgacag ggtcggggat cgcctccagg gcgtcgggat 240
ctccgacggc tccaccagcg ccgcagggga tgcttccgcg tctaagcccc aagaggcgaa 300
acgcctgcct ggtggtaagc tcaagaaaaa ggagaagcaa gaagtgggtca ttgagaagat 360
tgtccgtaac aagcgcaaat gtgttactgt ggtgaagggg cttgaattgt ttggtgtaaa 420
gcttagtgat gcttcgaaga agcttgggaa gaagtttgca accggagctt ctgttggtta 480
gggccctacg gagaaggagc aaatcgacgt acaaggggac atctcatatg atattgtgga 540
gttcattaca gatacatggc ctgatgtacc tga 573

<210> 10611
<211> 567
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-D7

<400> 10611

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taagggtgact gttttggaat cgagagatcg tattggcggg cgcattcata ctgataactc 180
gtttggatgc ccaattgatg ggggagcctc atggctacac ggcgtgtgca atgagaatcc 240
actggcacca ttgataagct atcttgggct gaggttatac cgcacaagcg atgataactc 300
agttctgtat gatcatgatt tagaaagcta tgctctcttt gataaggatg gtaatcaggt 360
cccaaaggag acagtcgata aagttggaga aacattcgag agaattcttg aagagacggt 420
gaaagtgcgc gatgagcagg aacacgacat gccactgcta caggcaattt ctattgtgtt 480
tgagaggcac ccccatctaa agcttgaagg gctagatgat cagggtcttac aatgggtgtgt 540
ctgccggctt gaggcattggt ttgctgc 567

<210> 10612
<211> 606
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-D8

<400> 10612

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tttgctact tatgctcctt ggtctttctg caagtgtctg tacggcgacc attttcccgc 120
aatgctcgca agctcctata gcttccttc ttcccccgta cctctcacca gcggtgtctt 180
cggatatgtga aaaccagtg gtgcaggggt acaggatcca acaggcaatc gcagctggca 240
tcttaccttt atcacccttg ttctccaac aatcatcagc cctattacaa cagttacctt 300
tggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa 360
accttgctgc ctactctcag caacagcagt ttcttccatt caaccaacta ggttcattga 420
actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct gctgcctacc 480

cccagcaatt tcttccattc aaccaactag cagcattgaa ctctcctgct tatttacagc 540
 agcaacaact actaccattc agccagctag ctggtgtgag ccctgctacc ttcttgacac 600
 aaccac 606

<210> 10613

<211> 588

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D9

<400> 10613

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 cttatgctcc ttggtctttc tgcaagtgtc gctacggcga ccattttccc gcaatgctcg 120
 caagctccta tagcttcctt tcttcccccg tacctctcac cagcgggtgtc ttcgggtgtg 180
 ggaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg catcttacct 240
 ttatcacctt tggttctcca acaatcatca gccctattac atcagttacc tttggtgcat 300
 ttattggcac aaaacatcag ggcaacaaca ctacaacaac ttgtgctagc aaaccttgct 360
 gctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt gaactctgct 420
 tcttatttgc aacaacaaca actaccattc agccagctac ctgctgcta ccccgagcaa 480
 tttcttccat tcaaccaact ggagcattg aactctctg cttatttaca gcagcaacaa 540
 ctactaccat tcagccagct agctggtgtg agccctgcta ccttcttg 588

<210> 10614

<211> 561

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-E1

<400> 10614

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 ctccttggtc tttctgcaag tgctgctacg gcgaccattt tcccgcaatg ctgcaagct 120
 cctatagctt cccttcttcc ccctgacctc tcaccagcgg tgtcttcggg ntgtgagagg 180

cgggtttcttc aaccctacag gatccaacag gcaatcgag ctggcatact acctccatca 240
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 gcacaaaaca tcagggcaca acaactacaa caacttgtgc taccaaact tgctgcctac 360
 tctcagcaac agcagttact tccattcaac caactaagtt cattgaactc tgcttactat 420
 ttgcaacaac aacaactacc attcatccag ctacctgtg cctaccccc gcaatttctt 480
 ccattcatcc aactagcaac attgaactct cctgcttatt tacagcaaca acaactacta 540
 ccattcatcc agctagctgg t 561

<210> 10615

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-E10

<400> 10615

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 ctaccaagat attatccctc cttgcgcttc ttgcgctttt tgcgagcgca acaaatgcgt 120
 tcattattcc acaatgctca cttgtccaa gttccattat tacacagttc ctcccaccgg 180
 gtgcgggaat gggcttcgaa caccagctg tgcaagccta taggctacaa caagcaattg 240
 cggcgagcgt cttacaacaa ccaatttccc agttgcaaca acaatccttg gcacatctaa 300
 caatacaaac catcgcaacg caacagcaac aacaattcct accagcactg agccacctag 360
 ccatggtgaa cctgcccgc tacttgcaac agcagttgct tgcatcaaac ccacttgctc 420
 tggcaaactg agttgcaaac cagccacaac aacagctgca acagtttctg ccagcgctca 480
 gtcaactagc catggtgaac cctgcccgc acctacaaca gcaacaactg ctttcatcta 540
 gcccgctcgc tgtggccaat gcacctacat acctgcaaca acaattgttg caac 594

<210> 10616

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-E11

<400> 10616

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cgcaacacaa cagcaacaac agttcctacc agcactgagc caactagatg tggatgaaccc 120
tgtgcctac ttgcaacagc aggtgcttgc atccaacca ctgctcttg caaacggatc 180
ggcaggccaa caacaacaac aattgcaaca gtttctgcca gcgctcagtc aactagccat 240
ggtgaaccct gccgcctacc tacaacagca acaactgctt tcacttagcc ctctcgttgt 300
gggtaatgca cctacatacc tgcaacaaca attgctgcaa cagattgtac cagctctgac 360
tcagctagct gtggcaaacc ctgctgccta cttgcaacag ctgcttccat tcaaccaact 420
gactgtgtcg aactctgctg cgtacctaca acagcgacaa cagttactta atccactagc 480
agtgcctaac ccattggtca ctgccttcct acagcagcaa caattgctac catacagcca 540
gttctctttg atgaaccctg ccttgtcgtg gcagcaaccc atcggt 586

<210> 10617

<211> 571

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-E2

<400> 10617

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tagagaggct agtaggtggt cctcgaacga agatgttggc ggtgttcagc gggcagggtg 120
tggaggtgcc ggcggagctg gtggcggttg gcagncggac tccttcttct ttgggggagt 180
ggggggggtn ntnnntctct ttctgtctct tttctaacta aacaaatacg ttcagtttgg 240
tgaccatggt cactttgntt attgttatat taactaggcg gtgttttgac ttaggtcttt 300
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ctacaagacg ctgtgcgatt gggcgcccta cccggccagc tttatgcttt gtcagggtcaa 480
ctggtcctac gccttagttt tttttgacga agttcaccaa ctcccttctt gttggaattg 540
tacctttagg cagggttgcc tctctttttg g 571

<210> 10618

<211> 577
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-E5

<400> 10618

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tcgagcttta cgccgagaag gtcgtcaacc gtgggctctg tgccatcgcg caggccgagt 120
ccctccgtta caagctcctc ggaggccttg ccgtccgcag ggcttgctat ggtggtgggt 180
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gtgaacgagt acattgactc ggctgtgaga cacgttcttc tcagacaggg tgttctcggt 360
atcaaggtga agatcatgct tgactgggac ccgaagggca aggttggccc gatcactcct 420
cttccggacc tggtgaccat ccacaccccg aaggacgagg acgagccgag ccctccggtc 480
ttggcacctc ctgaggtgta aggtcccaac tgtgtccttg aaatggcagt ttgatcgggt 540
cctagatagg tttctatctt acgataagga caatgct 577

<210> 10619
<211> 275
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-E7

<400> 10619

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tacctgcctc tttcagttcg tcagtgcaaa ttaagcacca aatgtcgacc gatgcctctg 120
aataaattta actgcgaggc tagctgctga acatcgatct gctagtatta ctacgggggn 180
cgtctgggac agcgctcagt tcggaatgta tgtataatct gaacgccaaag tttaatttta 240
tgttacttct accgattaaa ctgttaaacc ctagt 275

<210> 10620
<211> 565
<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-E8

<400> 10620

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caccaacggt ccgccgagga tgagctcaac atcttcgacg cagacttcgt caatgtagag 120
cactccaccc tcttggacct catcctgggt gcaaactacc tggacatcaa ggggctgggt 180
agacggggccc nccaaacat tacagacttg atcaatggga agatgcctga ggaggtctgc 240
aagaccaaca tcaagaacga cttgaccatc ccttccacgt cggccttggc caccacaatg 300
ccctcctccg agcgaaagca gatggaggcc aggtttatcg cctatatgca agaaactgct 360
gaggagagga tgactgggtt tgctgttcgt ggtgaaaaat acagaaagca tggatgaacgt 420
ccgccacaac caccattgga gatagttaa taccagctc ttttgaaag agcttgggga 480
tgggattcga tactgccgta ctgtcctgtg aattcttggc ccctatacaa gacttacctc 540
caagaatatt atgagcgcaa ttctc 565

<210> 10621
<211> 586
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-F10

<400> 10621

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gtcatcggtc tcgtcgtgtg cctggctctg tcagctgccg gcgcctctgc aatgcagatg 120
ccctgccctt gcgcggggct gcagggttg tacggcgctg gcgcgggcct gacgacgatg 180
aggggcgcgc gcgggctgta ccctacgcg gactacctga ggcagccgca gtgcagcccc 240
ctggcgggcg gcgcctacta cgccgggtgt ggcagacga gcgccatgta ccagccgctc 300
cggcaacagt gctgccagca gcagatgagg atgatggacg tgcagtcctg cgcgcagcag 360
ctgcagatga tgatgcagct tgagcgtgcc gctgccgcca gcagcagcct gtacgagcca 420
gctctgatgc agcagcagca gcagctgctg gcagcccagg gtctcaacc catggccatg 480
atgatggcgc agaacatgcc ggccatgggt ggactctacc agtaccagta ccagctgcc 540

agctaccgca ccaaccctg tggcgtctcc gctgccattc cgcct

586

<210> 10622

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-F11

<400> 10622

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gaaagcggac tcatggctat gaccgtgtta atgatgacaa agacattcca atcattgaag 120
ccaaattgac tgatgagcct ggtgttgatc catttgcgca aagaagggat gagaagaaga 180
agaggttgaa aaggggaaga agggactgga taacttaaag aaagctgcaa aggttggcgc 240
tttgccaagt catatacagc ttgctgcgaa ggcgttgccc atcacaggaa caaaagctga 300
ccttccaaaa aaatctagaa aagaggatct tgagagtgtt gtcggcatgg ctcatcagc 360
aacagcaagt ggtgggaagt ttgatgagaa gttgcctggc gagaaacctc caaagcacc 420
tggcaaacac agaaagttcc tcccagttgc cgaaggggaag ggaatgggca gcctggagaa 480
acagcagaat gacaaaatcc tgaactctct acttgccaga aactctgatg aaccacttga 540
tgtcggcaag gcaattacaa tgtacaaggt gaaa 574

<210> 10623

<211> 570

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-F2

<400> 10623

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agtagagagg ctagtaggtg gtcctcgacg aanagttggc ggtgttcagc gggcaggtgg 120
tggaggtgcc ggcggagctg gtggcggcgg gcagccggac gccgtcgccc aagacgaggg 180
gggcgcagct cgtggggcgc ttcttgccg cgtccgagcc ggccgtgtcc gtgcagctcg 240
gcgaccacgg ccacctcgcc tactccaca ccaaccaggc gtcctccgc cccaggtcgt 300

tcgcgggccaa ggacgaggtg ttctgcctgt tccaaggggt gctggacaac ctgggtcggc 360
 tgagccagca gcacgggctg tcaagcaagg gcgccaacga ggtgctcctc gtcacgcagg 420
 cctacaagac gctgcgcgac cgcgcgccct acccgggccag cttcatgctc gccagctca 480
 ccggctccta cgccttcgtc ctcttcgaca agtccaccaa ctccctgctc gtcgcatctg 540
 accccgaggg cagggtgccg ctcttctggg 570

<210> 10624

<211> 500

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-F4

<400> 10624

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 ggggggtccac ctncaccann ccnntccatn taccacacac caattcatct gcctccgcca 180
 ccattgccact accctactca accgccccgg cctcagcctc atccccagcc acacccatgc 240
 ccgtgccaac agccgcaccc aagcccgtgc cagctgcagg gaacctgcgg cgttggcagc 300
 accccgatcc tgggccagtg cgtcgagttt ctgaggcatc agtgcagccc gacggcgacg 360
 ccctactgct cgcctcagtg ccagtcgttg cggcagcagt gttgccagca gctcaggcag 420
 gtggagccgc accaccgcta ccaggcgatc ttccggttgg tccctccatt ccattcctgca 480
 acagcagccg caaagcggcc 500

<210> 10625

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-F6

<400> 10625

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 gttcaaccaa cttgctttga caaaccagc agcgttctac caacaacca tcattggtgg 120
 tgcctcttt tagatttctt atgagttata gttcaataat aaagtttttt gtctgagggg 180

gggggggttcc cagaaataag aaagtacatt tct

213

<210> 10626

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-F7

<400> 10626

acaatagtgt gcgaacaatg gcagccaaaa attttgcttc cttatgctcc ttggtctttc 60

tgcaagtgtc gctacggcga ccattttccc acaatgctca caagctccta tagcttcctc 120

tcttcccccg tacctctcac cagcgggtgc ttcggtatgt gagagccggg ttcttcaacc 180

ctataggatc caacaggcaa tcgcagctgg catcttacct ttatcacctc tgttctcca 240

acaatcatca gccctattac agcagttacc tttggtgcat ttattggcac aaaacatcag 300

ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcctactctc agcaacaaca 360

gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc aacaacaaca 420

actaccattc agccagctat ctgctgccta cccccagcaa tttcttccat tcaaccaact 480

gacagctttg aactctctg cttattttaca gcagcaacaa ctactaccat tcagccagct 540

agctgggtgtg agccctgcta 560

<210> 10627

<211> 580

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-F9

<400> 10627

atagtgtacc aacaatgggt gggggggggg gtgcttctt atactccttg gtgtggctgc 60

aagtgtgtc accgcaacca ttttcccaca atgctcacia gctcctatag cttcctttct 120

tcccccatc ctctcaccag cgggtgtctt atatgtgaaa acccatttgg ggtcgttgga 180

ggatccaaca ngcaatcnca ncangcatct tacctttatc acccttggtc ctccaacaac 240

cgtcagccct attacagcag ttacctttgg tgcatttggt ggcacaaaac atcaaggcac 300

aacaactaca acaacttggtg ctaggaaacc ttgctgccta ctctcagcaa cagcagtttc 360
 ttccattcaa ccaactgggt gcattgaact ctgctgctta ttgcaacaa caactaccat 420
 tcagtcagct agctgctgcc tacccccagc aatttcttcc attcaaccaa ctggcagcat 480
 tgaactctgc tgcttattta caacagcaac agctaccacc attcagccag ctagctgatg 540
 tgagccctgt tgccttcttg acacáacaac agttgttgcc 580

<210> 10628

<211> 167

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-G10

<400> 10628

aatgtgagga aagtgctttc ttatatctgg gaagccacaa acatcatcca aaaaacttca 60
 ttattgaagt ataactcata agcaatctaa aagaggcacc accaatgatg ggttgttggt 120
 agaacgctgt tgggtttgtc aaacaanctt ggggtttcgt acagggg 167

<210> 10629

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-G11

<400> 10629

tccgtcaag catcagcggc aggagctctg ggcagcgtgc gcacgtgggg tacctagctc 60
 gctctgctag cctaccatgg ctgatcacca ccgggggtgcg acgggaggtg gcgggggcta 120
 cggcgacctc cagcgcgggg gcggcatgca cggcgaggcg cagcagcagc agaagcaggg 180
 cgccatgatg acggcgctca aggccgcgac ggccgcgacc ttgggcgggt cgatgctggt 240
 gctgtccggg ctgatcctgg ccggcaccgt gatcgcgctc acggtggcca cccccgtgct 300
 ggtgatcttc agcccgtgct tgggtgccggc cgccatcgcg ctggcgctca tggcggccgg 360
 gttcgtcacc tccggcgggc tcggcgctcg tgcgctgtcc gtgttctcct ggatgtacaa 420
 gtacctgacg ggcaagcacc cgccggggcg cgaccagctg gaccacgcca aggcgaggct 480
 ggcgtccaag gcccgcgaca tcaaggatgc agcacagcac cgcctcgacc aggcgcaggg 540

gtcttgagag aagaaccaca ctcgagcgga ccgcgcgcg g

581

<210> 10630

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-G12

<400> 10630

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gcagcagcaa caagcactga gccacctagc cgtggtgaac cctatcgctt acttgcaaca 120
acagctgctt gcatccaacc cacttgcttt ggcaaacgta gctgcatacg ggctcagcaa 180
ggggtgcaac agtttctacc agcgctcagt caactagcca tgggtgaaccc tatcgcttac 240
ctacaacagc aacaacttct ttcattctagc ccgctcgcta tgggcaatgc acctacatac 300
ctgcaacaac agttgttgca acaacagttg ctgcaacaaa ttgtaccagc tcttactcag 360
ctagctgtgg caaacctgc tgcttacttg caacaactac ttccattcaa ccaactgact 420
gtgtcgaaact ctgctgcgta cctacaacag cgacaacagt tacttaatcc actagcggtg 480
gctaaccat tggctcgctgc cttcctacag cagcaacaat tgctgccata caaccagttc 540
tctttgatga accctgcctt gtcgt 565

<210> 10631

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-G2

<400> 10631

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aacaacaatg gctaccaaga tattatccct ccttgcgctt cttgcgcttt ttgcgagcgc 120
aacaatgcg ttcatatttc cacaatgctc acttgcctca agttccatta ttacacagtt 180
cctcccaccg ggggggggaa tgggcttcga acaccagct gtgcaagcct ataggctaca 240
acaagcaatt gcggcgagcg tcttacaaca accaatttcc cagttgcaac aacaatcctt 300

ggcacatcta acaatacaaa ccacgcgaac gcaacagcaa caacaattcc taccagcact 360
gagccaccta gccatggtga accctgccgc ctacttgcaa cagcagttgc ttgcatcaaa 420
cccacttgct ctggcaaacg tagttgcaaa ccagccacaa caacagctgc aacagtttct 480
gccagcgctc agtcaactag ccacggtgaa ccctgccgcc tacctacaac agcaacaact 540
gctttcatct agcccgcctc ctgtggccaa tgcacctaca tacctgcaa 589

<210> 10632

<211> 571

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-G3

<400> 10632

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tatctgaatg ctggagggtt ttagtacttt ggggtgcttg gtatccttga ctttcagtta 120
gatatgtcca caaaaagttc agtcagcagt acaaagctac aatcgggtgca gatttcgtga 180
gggggggggt tctgatcgaa gacaggctan tcacgttgca gatatgggac accgcggggc 240
aggagagatt ccagagtctt ggggttgcat tctacagagg ggccgattgc tgtgtgctcg 300
tctatgatgt taactctaac aggtcatttg atacactcaa tacatggcat gatgaaatcc 360
tcaaccaagc tagcccatca gacctaataa cttttccctt catcttactc ggtaacaaga 420
ttgatgtaga tgggtgaaaa agcagagtgg tttctgataa gaaagcaatg gagtgggtgtg 480
cttctaaagg caatatccct tattttgaaa cttctgcaaa agaggactac aatgttgaca 540
atgctttcct gactgttgcc aagcttgctc t 571

<210> 10633

<211> 498

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-G6

<400> 10633

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tagccctcct tgcgcttctt gcccttttag tgagcgcaac aaatgcgttc attattccac 120

agtgctcact tgctcctagt gccattattc cacagttcct cccaccagtt acttgagggg 180
 ggggggggac atccagccgt gcaagcctac aggctacaac tagcgcttgc ggcgagcgcc 240
 ttacaacaac caattgcca attgcaacaa caatccttgg cacatctaac cctacaaacc 300
 attgcaacgc aacaacaaca acaacaacag tttctgccat cactgagcca cctagccgtg 360
 gtgaaccctg tcacctactt gcaacagcag ctgcttgcac ccaaccact tgctctggcg 420
 aacgtagctg cataccagca acaacaacag ctgcaacagt ttatgccagt gctcagtcaa 480
 ctagccatgg tgaaccct 498

<210> 10634

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-G7

<400> 10634

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 ccaagatatt agccctcctt gcgcttcttg cccttttagt gagcgcaaca aatgcgttca 120
 ttattccaca gtgctcactt gctcctagtgc ccattattcc acagttcctc ccaccagtta 180
 cttcaatggg ctgggggcat ccagccgtgc aagcctacag gctacaacta gcgcttgcgg 240
 cgagcgccctt acaacaacca attgccaat tgcaacaaca atccttggca catctaacc 300
 taaaaaccat tgcaacgcaa caacaacaac aacaacagtt tctgccatca ctgagccacc 360
 tagccgtggg gaaccctgtc acctacttgc aacagcagct gcttgcaccc aaccacttg 420
 ctctggcgaa cgtagctgca taccagcaac aacaacagct gcaacagttt atgccagtgc 480
 tcagtcaact agccatgggtg aaccctgccg tctacctaca actactttca tctagcccgc 540
 tcgcggtggg caatgcacct acgtacctac aacaacagtt gctgcaacaa attg 594

<210> 10635

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-G8

<400> 10635

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tatgctcctt ggtctttctg caagtgtgc tacggcgacc attttcccgc aatgctcgca 120
agctcctata gcttcccttc ttcccccgta cctctcacca gcggtgntct tcggtgatgg 180
gagggacca attcttcaac cctacaggat ccaacaggca atcgagctg gcatcttacc 240
tttatcacc ttgttcctcc aacaatcctc agccctatta caacagttac ctttggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgctactct cagcaacagc agttttcttc attcaaccaa ctaggttcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca 480
atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac agcagcaaca 540
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<210> 10636

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-H1

<400> 10636

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ttgctagctc tgaggcatgg cagctcctaa gcaccgacac caacatattc tcagagttct 120
cctgaactgc atcattgaat ccttgccaga ggcgggggga catatgaagc agcattgcca 180
aatggccgag gcgctgcccg gaatgtctca aaggtgatgc catctcaatc ccactttggg 240
atgaatatgc tgatcagcag ggtcctagaa tcacatggag actgctgcaa gaactcctcc 300
aaagtaaggc acaacctttt tggaagccgt ctggattgtg actggtgtac ctgcagccag 360
tagcacagtt gctatgtctg actcgaatgg caacctctgc gccatgatta tgttgccacc 420
tatggttgct gtgttccgaa caaatggcga agccactttg cttaggtgat tggcaatttt 480
tctgaagacc agatttccat ctgacaacac ctcaatggtt gtagcctgta gagatggaca 540
caac 544

<210> 10637

<211> 580
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-098-Q1-K6-H11

 <400> 10637

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 aggccgacgc gcggcgcgcc gtggaggagc tggctcgggc gcgggacgag cacctcgaga 120
 agggcgaggt gaacgcccgc tcggccgcgg acgagatcgg gcgctcccgc gccgaccgcg 180
 gtgccgccgg tggcgggcgc atcctggaga gcgtgcagga gggcgccagg tccttggcca 240
 gcgccgtggg ccgcaccttc ggtggcgcca aggacgcgac cgtggacaag acctcgcaga 300
 cggcgcacac cgcgggcgac aagctcggcg agtacaggga ctacaccgcc gacaaggccc 360
 gggaggccaa cgacagcgtc tcgcgtaaga cgggcgagac ggcgagggcc acccggaaca 420
 agctgggcca gtacaaggac agcgccgtgg agaaggcgag ggagaccaag gacgcggtgg 480
 cgcagaagac gagcgagacc gcggaggcga ccaagaacaa gctcggggag tacaaggacg 540
 cggcgggccg caaggcgcgg gaggccgcgg acaccaccgc 580

<210> 10638
 <211> 456
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H12

 <400> 10638

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 cggctnccan ccaccncccc cngttcatct accgcgcgcg gtgcatctgc cacctccggt 120
 tcacctgcca cctccggtgc attttttttt ttngtccac ctnccttctt cgtgcgtgtg 180
 ggggcgcenn nccatntncc nccccccctt catctaacia aaaaaaccat cccactaccc 240
 tactcaaccn nccctncctc ancctcattc tcatccacac ccattccctt tccaacatcc 300
 tcatccaatc cctttccatc ttctttttta ccttctnnnt tttcattacc cctatcctnt 360
 nccatttctt cnattttttt atgcatcatt tcatcccctc tgtnactccc tactgctctt 420
 ctcantgcca gttttttttt tttgcattgt ttcctt 456

<210> 10639
 <211> 553
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-098-Q1-K6-H2.

 <400> 10639

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ctgcaagtgt tgctaccgcg accattttcc cacaatgctc acaagctcct atagcttccc  120
ttcttcccc atacctctca ccagcgggtgt ctccaatgtg tggagggggg ggggtcaacc  180
ctacaggatc caacaggcaa tcgcaacagg catcttacca ttatcaccct tgttcctcca  240
acaaccgtca gccctattac agcagttacc tttggtccat ttggtggcac aaaacatcag  300
ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcatactctc agcaacatca  360
gtttcttcca ttcaaccaac tggctgcatt gaactctgct gcttatttgc aacaacaatt  420
accattcagc cagctagttg ctgcctaccc ccagcaattt cttccattca accaactagc  480
agcattgaac tctgctgctt atttacagca gcaacaacta ctaccattca gccagctagc  540
tgatgtgagc cct                                                         553
  
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<210> 10640
 <211> 270
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H3

<400> 10640

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tgtgctagca aaccttgctg tctattttca tcaacaacaa attttttggg ggggggaggg  120
ggttnattna actntntntn ttatttttnaa caacaaaaaa taaaaccccc ccatttacct  180
ncttcctacc caaanaatt tttttcattc aaccaacttt cattatttaa ctctcctttt  240
tatttacaac attatacaac tactaccatt                                     270
  
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<210> 10641

<211> 601
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-H4

<400> 10641

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ttgcttttagt atcaagtgtt tcttgtacac agacaggcgg ctgcagctgt ggtcaacaac 180
aaaccatggg gacgacgggg tccacaacaa catcatccac aaaaacaaca acatcaacca 240
ccaccacaac atcaccagca gcagcaacac caacaacaac aagttcacat gcaaccacaa 300
aaacatcagc aacaacaaga agttcatgtt caacaacaac aacaacaacc gcagcaccaa 360
caacaacaac aacaacaaca gcaccaacaa caacatcaat gtgaaggcca acaacaacat 420
caccaacaat cacaaggcca tgtgcaacaa cacgaacaga gccatgagca acaccaagga 480
cagagccatg agcaacaaca tcaacaacaa ttccagggtc atgacaagca gcaacaacca 540
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<210> 10642
<211> 574
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-H5

<400> 10642

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gccggatctt tcttgggcat ggtccagtga tcgatccatc cacacgcgta tccaagcat 180
tgtgcgtcgg ggtgatgact actctatcct cctcttgccg atggcttctt ttctttctct 240
cgcttgtgac atttgtatct acctacctgt cgctccatg ctgcggtcca tatactctgat 300
ctactccaca aatcctaata ccacaacaac tatccccctc tcctctctat tctccggcga 360
ttctccatat tcttcatgca ggtcgtagcc acacctcgat ccatgtcgtg tcgtcgtcgc 420

tggtgcccac cctcctatct ctccattcgt tgctgcgcta gttacagtgg tcgcccctctt 480
 agatgtttaca gtaaaaaaaaa attggtggtg atatggttat ttattgattc gttagggttaa 540
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<210> 10643
 <211> 286
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H6
 <400> 10643

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 gagcctctac aacaaccatg tgagttatgt tgatctcatc aagcttctca aagtgcggtg 180
 gtaattttga cagccgcaca atacctacca tcaatgtgcg gcttttacct cttctactac 240
 caaaataatc cattcatcat tcattacttt attgtttttt tccaat 286

<210> 10644
 <211> 586
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H7
 <400> 10644

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 ttatgctcct tgctctttct gcatgtgttg ctaacgcgac aattttccct caatgctcac 120
 aagctcctat agcttccctt cttcccccat accttccatc aatgatagct tcagtgtgtg 180
 aggggcccag ctcttcagcc ctataggctc caacaagcaa tcgcagcaag caacatacct 240
 ttatcaccct tggtgtttca acaatcgcca gccctatctt tgggtgcagtc attggtacaa 300
 accatcaggg cacagcagct gcagcaactc gtgctacctg tgatcaacca agtagctctg 360
 gcaaaccctt ctccctactc tcagcaacaa caatttcttc cattcaacca actgtctaca 420
 ctgaaccctg ctgcttattt gcagcaacaa ctattacat tcagccagct agctactgcc 480

tactctcagc aacaacaact ttttccattht aaccaattgg cgcactgaa ccccgctgct 540
 tatttgcagc agcaaatact actaccattht agccagctag ctgcag 586

<210> 10645
 <211> 72
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-H8

<400> 10645

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 taataatgcg tg 72

<210> 10646
 <211> 539
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H9

<400> 10646

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 ggggttcgan cgggcaggct acaactagcg cttgcggcga ggccttaca acaaccaatc 180
 gcccaattgc aacaacaatc cttggcacat ctaaccctac aaaccattgc aacgcaacaa 240
 caacaacaac agtttctgcc atcactgagc cacctagccg tggatgaacc tgcacctac 300
 ttgcaacagc agctgcttgc atccaaccca cttgctctgg cgaacgtagc tgcataccag 360
 caacaacaac agctgcaaca gtttatgcc a gtgctcagtc aactagccat ggtgaaccct 420
 gccgtctacc tacaactact ttcattctagc ccgctcgagg tgggcaatgc acctacgtac 480
 ctacaacaac agttgctgca accaaatgta ccagcttttg actcaattag ctgtggcaa 539

<210> 10647
 <211> 566
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-A1

<400> 10647

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ctattacaac agttaccttt ggtgcattta ttggcacaaa acatcagggc acaacggcgg 180
cgacaacttg tgctagcaaa ccttgctgcc tactctcagc aacagcagtt tcttccattc 240
aaccaactag gttcattgaa ctctggtnt tatttgcggc atcagcaact accattcagc 300
cagctacctg ctgcctacc ccagcaatat tcttccattc aaccaactag cagcattgaa 360
ctctctgct tatttacagc agcaacaact actaccattc agccagctag ctggtgtgag 420
ccttgctacc ttcttgacac aaccacagtt gttgcggttc taccagcagc ttgcgcctaa 480
cgctggcacc ctcttacaac tgcaacaatt gctgccattc aaccaacttg ctttgacaaa 540
cccagcagtg ttctaccaac aaccca 566

<210> 10648

<211> 485

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-A10

<400> 10648

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caactagctg cattgaactc tgcttcttat ttgcaacaac aacaactacc attcagccag 120
ctacctgctg cctaccccca gcaatttctt ccattcaacc aactggcagc attgaacggg 180
gggggttatt tacagcagca acaactacta ccattcagcc agctagctgg tgtgagccct 240
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ggcaccctct tacaactgca acaattgctg ccattcaacc aacttgcttt gacaaaacca 360
gcagcgttct accaacaacc catcattggg ggtgccctct tttagatttc ttatgagtta 420
tagttcaata ataaagtttt ttgtctgatg tttgtggctt cccagaaata agaaagtaca 480
tttct 485

<210> 10649

<211> 536
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-099-Q1-K6-A11
 <400> 10649

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 ttccccata cctctcacca gcggtgtctt cagtttgtgg aaacgccagg ggttcaaccc 180
 tacaggatcc aacaggcaat cgcagcaggc atcttacctt tatcaccctt gttcctccaa 240
 caaccgtcag cctattaca gcagttacct ttggtgcatt tgttggcaca aaacatcaag 300
 gcacaacaac tacaacaact tgtgctagga aaccttgctg cctactctca gcaacagcag 360
 tttcttccat tcaaccaact ggctgcattg aactctgctg cttatttgca acaacaacta 420
 ccattcagtc agctagctgc tgccatcccc cagcaatttc ttccattcaa ccaactggca 480
 gcattgaact ctgctgctta ttacaacag caacagctac caccattcaa ccagct 536

<210> 10650
 <211> 597
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-099-Q1-K6-A12
 <400> 10650

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 ccaatggcta ccaagatatt agccctcctt gcgcttcttg cccttttagt gagcgcaaca 120
 aatgcgttca ttattccaca gtgctcactt gctcctagtg ccattattcc acagttcctc 180
 ccacgggggg ggggggaatg ggcttcgaac atccagccgt gcaagcctac aggctacaac 240
 tagcgcttgc ggcgagcgcc ttacaacaac caattgccc attgcaacaa caatccttgg 300
 cacatctaac cctacaaacc attgcaacgc aacaacaaca acaacaacag tttctgccat 360
 cactgagcca cctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcatt 420
 ccaaccact tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt 480
 ttatgccagt gctcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt 540

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<210> 10651

<211> 206

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-A2

<400> 10651

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cctgccaccg cgggtccatg tgccgccgtc ggttcatttg cgtctccac catggggggg 180

gcgtgagggg cctccccttc cttatt 206

<210> 10652

<211> 495

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-A5

<400> 10652

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cgcctcagtg ccagtcgttg cggcagcagt gttgccagca gctcaggcag gtggagccgc 180

gggggaggta ccaggcgatc ttcggttgg tcctccagtc cactctgcag cagcagccgc 240

aaagcggcca ggtcgcgggg ctgttggcgg cgcagatagc gcagcaactg acggcgatgt 300

gcggcctgca gcagccgact ccatgcccct acgtctgtgc cggcgggtgc cccactgaa 360

gaaactatgt gctgtagtat agccgctggc tagctagcta gttgagtcac ttagcggcga 420

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ctgaatgaac aattg 495

<210> 10653

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-A6

<400> 10653

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ttgcggttgcc tgtagtgctn cnncttggt nnncttctng nncaagtgcc tgnnctaccg 120
canacncatt nnnctccac catatgnctn ncacaagnct nnctnatnn nagcttnncc 180
tttnncttnn ccccatnac cctnctncac ncnagcggt gnntcttcag tgggtgggggg 240
ggcgcaattc ttcaacccta caggatccaa caggcaatcg cagcaggcat cttaccttta 300
tcacccttgt tctccaaca accgtcagcc ctattacagc agttaccttt ggtgcatttg 360
ttggcacaaa acatcaaggc acaacaacta caacaacttg tgctaggaaa ccttgctgcc 420
tactctcagc aacagcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct 480
tatttgcaac aacaactacc attcagtcag ctagctgctg cctacccccca gcaatttctt 540
ccattcaacc aactggcagc attgaactct gctgcttatt tacaacagca acagctacca 600
ccattcagcc agctagctga tgtgagccct gttg 634

<210> 10654

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-A8

<400> 10654

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acaacagcac caacaacaac atgaatgtga aggccaacaa caacatcacc aacaatcaca 120
aggccatgtg caacaacacg aacagagcca tgagcaacac caaggacaga gccatgagca 180
acaacatcaa caacaattgg gttgtcatga caagcagcaa caaccacaac agcctcagca 240
atatcaagca gnnggccagg aaaaatcaca acagcaacaa tgtcattgcc aggagcagca 300
acagactaca aggtgcagct ataactacta tagcagtagc tcaaactctaa aaaattgtca 360
tgaattccta aggagcagct gcagcccttt ggtaatgcct tttctccaat cacgtttgat 420
acaaccaagt agtgccagg tattgcagca acaatgttgt catgatctta ggcagattga 480

gccacaatac attcaccaag caatctacaa catgggttcaa tccataatcc aggaggagca 540

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<210> 10655

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-A9

<400> 10655

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tattttgcct ccttatgctc cttgggtctt ctgcaagtgt tgctaccgca accattttcc 120

cacaatgctc acaagctcct atagcttccc ttcttcccc atacctctca ccagcgggtg 180

cttcaatgtg tgaaaggggg ggggtcaacc ctacaggatc caacaggcaa tgcgaacagg 240

catcttacca ttatcacctt tggttcctcca acaaccgtca gccctattac agcagttacc 300

tttgggtccat ttgggtggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 360

aaaccttgct gcatactctc agcaacatca gttttcttcca ttcaaccaac tggctgcatt 420

gaactctgct gcttatttgc aacaacaatt accattcagc cagctagttg ctgcctacc 480

ccagcaattt cttccattca accaactagc agcattgaac tetgctgctt atttacagca 540

gcaacaacta ctaccattca gccagctagc tgatgtgagc cctgctgctt tc 592

<210> 10656

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-B1

<400> 10656

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ccacaatgct cacaagctcc tatagcttcc cttnttcccc catacctctc accagcgggtg 180

gggggggggg tgaaaaccca attgttcaac cctacaggat ccaacaggca atcgcaacag 240

gcattcttacc attatcaccc ttgttcctnc aacaaccgtc agccctatta cagcagttac 300
ctttgggtcca tttgggtggca caaaacatca gggcacaaca actacaacaa cttgtgctag 360
caaaccttgc tgcatactct cagcaacatc agttttcttc attcaaccaa ctggctgcat 420
tgaactctgc tgcttatttg caacaacaat taccattcag ccagctagtt gctgcctacc 480
cccagcaatt tcttccattc aaccaactag cagcattgaa ctctgctgct tatttacagc 540
agcaacaact actaccattc agccagctag ctgatgtg 578

<210> 10657

<211> 568

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-B11

<400> 10657

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tatttccaca agcaacagaa gagaacacaa aatcatcaaa atcctcaatt gcaactcgct 120
ttaagataca acttcatgaa ctcatggaga ctttgagctg gtcgancgcc attacataag 180
atgtataaaa ccaaatagtg tccttaagcc tggcattttt gagaatacca atgttctgca 240
gcagcttcga tgttctgggt ttcttgaagc cattagaatc agctgtgctg gttatccac 300
aaggaaacta tttcatgatt ttctacatcg ttttcgtggt cttgctcctg aaattttgaa 360
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ttatcagata ggaagaacta aggtattcct gagggctggg caaatggctg atctggatgc 480
cagaagaaca gagatgcgaa acaatgcagc aaaaggcggt cagagtcaat tccgtactca 540
tggtgctcgt gagcagttcc tagtacta 568

<210> 10658

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-B12

<400> 10658

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 aggtcatca aggcacaatc cagcgacttt ggcagcctcc tacagtacga cagctacgat 180
 tctgatgaag ccaggggagg ggacgaggac naagacgaac tctttgaaga cgtcaaggaa 240
 tagcacatcc gtacatatat aatggttttg tagctgcaaa ttgtgttggtg agtcagttgc 300
 ctctctctgg ttggtgatct ttatatatgg tctcaaaggt aggtcagggt gcaatgtttg 360
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 gcagtcaagg atacagattc cgatggttac ctttgggtta gaacatatat ggctgtaaaa 480
 ttggaagtcg aggtgggttaa aactctgaaa tcttgtctgt tttccttcca aannaaaaaa 540
 annnaannaa aaaaaaaaaa aaaaaaaggg cggccgc 577

<210> 10659
 <211> 545
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-B2
 <400> 10659

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 gggccacgac accatncctc ccacnccttc acacctgggg gggggggggg gtccaanatc 180
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 ggggc 545

<210> 10660

<211> 584
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-B3

<400> 10660

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caggctgctc tggaaactgg ggacattgcc accagggtt ctaacttttt acaagctggg 180
gggggggggg gacaaatcat ggcattgtgt tggcttaggg tacaatccaa ccattgagcg 240
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gttatattag atttgtagt tatcatgtgt atgtagtttc gtcgcccttt tgtggtgctt 540
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 <211> 604
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-B5

<400> 10661

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gcagcaaata ttactaccat ttagccagct agctgcagca agccgtgctt cttcttgac 360
acagcaacag ttgctgcctt tctaccagca gtttgcggt aaccccgcaa ccctcttaca 420
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actacaacaa ttgttgccct ttgtccaact tgctttgaca aaccacagcag cctcctacca 480
 acaacacatc attgggtggg cccctctttta gattgcttat tagttgtaat tcaataataa 540
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<210> 10662
 <211> 336
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-B6

<400> 10662

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 gagcttacct gagcgccctg aacaagatct gcagtttcgc tggcgccgtn gaaagccagc 180
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<210> 10663
 <211> 580
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-C11

<400> 10663

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 aaaccaatt cttcaaccct ataggatcca acaggcaatc gcagctggca tcttaccttt 240
 atcacccttg ttctccaac aatcatcagc cctattacag cagttacctt tgggtgcattt 300
 attggcacia aacatcaggg cacaacaact acaacaact gtgctagcaa accttgtctg 360

ctactctcag caacaacagt ttcttccatt caaccaacta gctgcattga actctgcttc 420
 ttatttgcaa caacaacaac taccattcag ccagctatct gctgcctacc ccagcaatt 480
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<210> 10664

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C12

<400> 10664

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 tgcttttttag ttncaacaac aattaccatt caaccancta ntnctaact acaaaacaaa 180
 attccttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 240
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 gttgttgccg ttctacctgc acgctatgcc taacgctggc accctcttac aactgcaaca 360
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<210> 10665

<211> 502

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-C2

<400> 10665

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 ccagctagct actgcctact ctcatcaaca acaacttctt ccatttaacc aattggcgcg 180
 gctgaacctc gctgcttatt tgcagcagca aatattacta ccatttagcc agctagctgc 240
 agcaagccgt gcttcttct tgcacagca acagttgctg cctttctacc agcagtttgc 300
 ggctaacccc gcaacctct tacaactaca acaattgttg cctttgtcc aacttgcttt 360

gacaaaccca gcagcctcct accaacaaca catcattggg ggtgccctct tttagattgc 420
 ttattagttg taattcaata ataaagtttt ttggatgatg tatgtggcca accagaaata 480
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<210> 10666

<211> 540

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C3

<400> 10666

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 ctacggcgag cattttcccg caatgctcac aagctcctat agcttccctt cttcccccat 120
 acctctcacc agcnatntct tggggggggtg agtgggggga ttcttctacc ctacannatc 180
 caacatgcaa tcnancagg catcttacct ttatcaccct tnttcttca acatttatta 240
 ntctattac atcattttcc tttntgcat ttattggctc aaaacatcag ggctcatcaa 300
 ctacatcatc tcgtgctagc aaaccttgct gcctactctc agcaacagca gttacctttg 360
 gtgcatttgt tggcgcaaaa catcagggca caacaactac aacaactcgt gctagcaaac 420
 cttgctgcct actctcagca acaacagttt ctgccattca accaactagc tgcattgaac 480
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<210> 10667

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C4

<400> 10667

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 gctaacgcga caattttccc tcaatgctca caagctccta tagcttccct tcttccccca 180
 taccttccat gggggggggg gtcagtatgt gaaaaccag ctcttcagcc ctataggctc 240

caacaagcaa tcgcagcaag caacatacct ttatcacccct tggtgtttca acaatcgcca 300
gocctatctt tggtgcagtc attggtacaa accatcaggg cacagcagct gcagcaactc 360
gtgctacctg tgatcaacca agtagctctg gcaaaccctt ctccctactc tcagcaacaa 420
caattttctt cattcaacca actgtctaca ctgaaccctg ctgcttattt gcagcaacaa 480
ctattaccat tcagccagct agctactgcc tactctcagc aacaacaact tcttccattt 540
aaccaattgg ccgcactgaa ccccgctgct tatttgcagc agcaaatact ac 592

<210> 10668

<211> 541

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C5

<400> 10668

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cagcaccctg atcctgggcc agtgcgtcga gttcctgagg catcagtgca gcccgacggc 120
gacgccctac tgctcgctc agtgccagtc gttgcggcag cagtgttgcc agcagctcan 180
gcanctggag gcggatgacc ggggccaggc natcttcggc ttggctcctcc agtccatcct 240
gcagcagcag ccgcaaagcg gccaggtcgc ggggctggtg gcggcgcaga tagcgagca 300
actgacggcg atgtgcggcc tgcagcagcc gactccatgc cctacgctg ctgccggcgg 360
tgtccccac tgaagaaact atgtgctgta gtatagccgc tggctagcta gctagttgag 420
tcatttagcg gcgatgattg agtaataatg tgtcacgcat caccatgggt ggcagtgatca 480
gtgtgagcaa tgacctgaat gaacaattga aatgaaaaga aaaaaagtac tccatctgtt 540
c 541

<210> 10669

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C6

<400> 10669

ccgggtcgacc cagcgtccgg accaatagca catanaagca cgtggtgggc caacaatggc 60
agccaaaata ttttgctcc ttatgctcct tgggtctttct gcaagtgctg ctacggcgac 120
cattttccca caatgctcac aagctcctat agcttccctt cttcccccggt acctctcacc 180
agcgggtgtct tgggggggggt gggaacccaa ttcttcaacc ctataggatc caacaggcaa 240
tcgcagctgg catcttacct ttatcacctt tgttctctca acaatcatca gccctattac 300
agcagttacc tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac 360
ttgtgctagc aaaccttgct gctactctc agcaacaaca gtttcttcca ttcaaccaac 420
tagctgcatt gaactctgct tcttatttgc aacaacaaca actaccattc agccagctat 480
ctgctgcta cccccagcaa tttcttccat tcaaccaact gacagctttg aactctcctg 540
cttattttaca gcagcaacaa ctactaccat tcagccagct agctggtgtg agccctg 597

<210> 10670
<211> 219
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-C7
<400> 10670

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cgtcattctc tttgtaggcc cttctttttt ttttcttttg gttcaattgc gctaagttca 120
atatgtattc tgctgagaaa tctgtgctcg tttgagaacc cttggacgtt gtatgctagg 180
gagttttaat cttgaatata natgacttgt tgagggatt 219

<210> 10671
<211> 564
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-099-Q1-K6-C8
<400> 10671

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agggaaaaat cacaacagca acaatgtcat tgccaggagc agcaacagac tacaaggtgc 120

agctataact actatagcag tagctcaaatt ctaaaaaatt gtcatagaatt cctaaggcgg 180
 cggggcggcc ctttggaat gccttttctc caatcacgtt tgatacaacc aagtagctgc 240
 caggatttgc agcaacaatg ttgtcatgat cttaggcaga ttgagccaca atacattcac 300
 caagcaatct acaacatggt tcaatccata atccaggagg agcaacaaca acaaccatgt 360
 gagttatgtg gatctcaaca agctactcaa agtgcgggtg caatcttgac agcagcacia 420
 tacctaccat caatgtgcgg cttgtaccac tcatactacc aaaataatcc atgcagcagc 480
 aatgacatta gtggtgtttg caattgaaga attgtgtcta cctagccgtt atactcctat 540
 aacggtgtta agcaataaag tacc 564

<210> 10672
 <211> 619
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-099-Q1-K6-C9
 <400> 10672

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 ccattgaaga ttacaagtgc tcatggctag ttgtgcaagc cttgagcgt gctgatgaga 180
 gccaaaagcg cattctatgt gaggggggtg gcaagaaaga tccagcctgt gtggcaaaaag 240
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 gctacaagaa gctgattgca gacattgaag ccagccaag cattgcggtt cagaaagtgc 360
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 gctcaggagt cgttactcct tcgcatgctt gacataaccg gacttcctca cctgggtgct 480
 ctagtatgat gtggagcgtc tagttaaaaa aaatcgatgt agtatgaagc accttgctgc 540
 tctgaatatt aacaggcaat taaggcaagg tgctgtttcg gtttggtgga ccgcatgttg 600
 cagataataa attagttgt 619

<210> 10673
 <211> 586
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-D12

<400> 10673

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 tcaatgctca caagctccta tagcttccct ttttccccca taccttccat ggggggtagc 180
 ggcagtatgt gaaaaccag ctcttcaacc ctataggctc caacaagcaa tcgcagcaag 240
 caacatacct ttatcacctc tgtttcaaca atcgccagcc ctatctttgg tgcagtcatt 300
 ggtacaaacc atcaaggcac agcagctgca gcaactcgtg ctacctgtga tcaaccaagt 360
 agctctggca aacctttctc cctactatca gcaacaacaa tttcttccat tcaaccaact 420
 atctacactg aaccctgctg cttatttgca gcaacaacta ttaccattca gccagctagc 480
 tactgcctac tctcatcaac aacaacttct tccatttaac caattggccg cactgaacct 540
 cgctgcttat ttgcagcagc aaatattact accatttagc cagcta 586

<210> 10674

<211> 514

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-D2

<400> 10674

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 ccctgctgct tatttgagc acaactatt accattcagc cagctagcta ctgcctactc 120
 tcatcaacaa caacttcttc catttaacca attggccgca ctgaacctcg ctgcttatgg 180
 gggggagcaa atattactac catttagcca gctagctgca gcaagccgtg cttccttctt 240
 gacacagcaa cagttgctgc ctttctacca gcagtttgcg gctaaccctg caaccctctt 300
 acaactacaa caattgttgc ctttgtcca acttgctttg acaaaccag cagcctccta 360
 ccaacaacac atcattggtg gtgccctctt ttagattgct tattagttgt aattcaataa 420
 taaagttttt tggatgatgt atgtggccaa ccagaaataa gaagttacat ttccagattc 480
 taatgtgata ttggtctcca aggtgttgcg ataa 514

<210> 10675
 <211> 583
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-D3

<400> 10675

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ttatccctcc ttgcgcttct tgcccttttt gtgagtgcga caaatgcgtt cattattcca 120
caatgctcac ttgctccgag tgccattatt ccacagttcc tccctccagt tacttcaatg 180
gggggggtgag ggcggagctn tncaagccta tangctacaa caagcgcttg cggcgagcgt 240
cttanaacaa ccaattgccc aattacaaca acaatcctta gcacatctaa ccatacaaac 300
catcgcaacg cagcagcaac aagcactgag ccacctagcc gtggtgaacc ctatcgcta 360
cttgcaacaa cagctgcttg catccaaccc acttgctttg gcaaacgtag ctgcctacca 420
acaacaacaa cagttgcaac agtttctgcc agcgctcagt caactagcca tgggtgaaccc 480
tatcgcttac ctacaacagc aacaacttct ttcattctagc ccgctcgcta tgggcaatgc 540
acctacatac ctgcaacaac agttgttgca acaacagttg ctg 583

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<210> 10676
 <211> 566
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-D4

<400> 10676

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acaatacaag ccatcacaac gcaacagcaa caacagttcc taccagcact gagccaccta 120
gccatggtga accctgccgc ctcttgcaag acagctgctt gcatccaacc cattgggggtg 180
cgaggggtant tgcaaaccan caacaacaac agctacaaca gtttctgcca acgctcagtc 240
aactagccat ggtaaaccct gccgcctacg tacaacaaca acaactgctt tcattctagcc 300
cgctcgctgt gggcaatgca cctacatacc tgcaacaaca attgttgcaa cagattgtac 360
cagctctgac tcaactagct gtggcaaacc cacttgcta cttgcaacag ctgcttccat 420

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tcaaccaact gactctgtcg aactctgctg cgtacctaca acagcgacaa cagttactta 480
atccattggg agtgggctaac ccattggctg ccgccttact acagcagcaa caattgctgc 540
catacaacca gttctctttg atgaat 566

<210> 10677

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-D6

<400> 10677

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gcaactacag cgatggcgac ctagtcgcca ctctgctcgc gcacaagttg ggagtcactc 120
agtgtaccat cgctcatgcc ttgngagaaa accaaatacc ccaactcgga catatacttg 180
gacaaatcn acagggantg cacggctctt gccagttcac agctgacctt attgccatga 240
accacacoga tttcatcatc accagcacat tccaagaaat cgcgggaagc aaggacaccg 300
tggggcagta cgagtccac atcgcgttca ctcttcctgg gctctaccgt gtcgtccatg 360
gcatcgatgt tttcgatccc aagttcaaca ttgtctcccc tggagcagac atgagtgttt 420
actaccgta tacggaaacc gacaagagac tcactgcctt ccatactgaa atcgaggagc 480
tcattctacag cgacgtcgag aactccgagc acaagttcgt gctgaaggac aagaagaagc 540
cgatcatctt ctcgatggcg cgtctcgacc gcgtgaagaa catgacaggc ctggctcg 597

<210> 10678

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-D7

<400> 10678

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tcccttcttc ccccgtaact ctaccagcg gtgtcttcgg tatggtgaaa acccaattct 120
tcaaccctac aggatccaac aggcaatcgc agctggcatc ttacctttat cacccttggt 180

cctccaacaa tgggtggagg gtattacaac agttaccttt ggtgcattta ttggcacaaa 240
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 aacagcagtt tcttccattc aaccaactag gttcattgaa ctctgcttct tatttgcaac 360
 aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt cttccattca 420
 accaactagc agcattgaac tctcctgctt atttacagca gcaacaacta ctaccattca 480
 gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg ttgccgttct 540
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<210> 10679

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-D8

<400> 10679

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 caggcaatcg caacaggcat cttaccatta tcacccttgt tctccaaca accgtcaggc 180
 gtgtggcagc agttaccttt ggtccatttg gtggcacaaa acatcagggc acaacaacta 240
 caacaacttg tgctagcaaa ccttgctgca tactctcagc aacatcagtt tcttccattc 300
 aaccaactgg ctgcattgaa ctctgctgct tatttgcaac aacaattacc attcagccag 360
 ctagttgctg cctaccccc gcaatttctt ccattcaacc aactagcagc attgaactct 420
 gctgcttatt tacagcagca acaactacta ccattcagcc agctagctga tgtgagccct 480
 gctgccttct tgacacaaca acagttgttg ccgttctacc tgcacgctat gcctaacgct 540
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<210> 10680

<211> 581

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-D9

<400> 10680

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cggggggtctt caaccctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
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ggcacaaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
tttgcaacaa caacaactac cattcagcca gctacctgct gctaccccc agcaatttct 480
tccattcaac caactggcag cattgaactc tctgcttat ttacagcagc aacaactact 540
accattcagc cagctagctg gtgtgagccc tgctaccttc t 581

<210> 10681

<211> 546

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-E10

<400> 10681

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attgggtgat ggttttaaac tgtcagctgc tgataatgat gtgtttgcaa ctgttcatcc 120
ttttgtgatc cttttttgtg gggatcgatg tgggnaaata tccacatgta ctgcggtgga 180
tggactacat tcaaaacact gttggtgctg gtacaacttt gcaaaaagata aatgtgacca 240
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caaagaaatc cacaagaaaa ctttcttaaa ataaagagaa tctactgct tcggggaaca 420
acaaaacctt tggggagaaa aagaaagtgc cagaaaagtc agcaggaaaa acaaccnaga 480
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aagttg 546

<210> 10682

<211> 590
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-E11

<400> 10682

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tgtttctaac tagttgtgcg cactattggt tagttcatgc cgtttggttg ctttccattg  180
cgtgcaagta tggagtctat tatgttctct tatcatgata tatgtttata tttgttgct  240
tccccattta tgtaattttc aaaggggatg ctgtcgaaat tttatatatg aatgtagat  300
gtgtagttta gtagcattct ggggtgttga ggatcctggg gtgttacatg tacaatggca  360
ccgatgaaga tgactttttg tactgcctcc gaccggataa taaggaaata tttgtatgtc  420
gggagatggc aagaaacata ggatttctga agctcgaagt tggcttttca gcaatgtcga  480
aggatgacct cgcagacagc cttgcttaca atagtctgaa gggcttaatc ttgagcaaca  540
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<210> 10683
 <211> 482
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 10683

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tcggngtgc tgtgcggggt cgtnccggcg ncanctncng nncancang ggtgcctgtg  180
cagatactcg cgcagcccca actacgggag ctacatccgc agccccaacg cggcgaggct  240
cttcgccatc tgcaacctgc ctatgccgcg ctgccgttat tagcgggcag tagtatatat  300
actagctagc tattccaata caatcatgct cagtcgttgg tatatcgtaa gtactcatgt  360
gaagcatgcg gtgcacacca tggatcatgt aggacgttct gttacatgaa taaaatccag  420
  
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gacgtctgag tttgtgcggc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg 480
cg 482

<210> 10684

<211> 206

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-E2

<400> 10684

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ngnnnggggg gggggggggg gggggggggg ggagnggggg gggggggggg nggggggggg 120

gggggggngn nnnngggggg gggggggggg gggggggggg gggggggggg ggggggnggg 180

gggggggggg gggggggggg gggggg 206

<210> 10685

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-E3

<400> 10685

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gctaccaaga tattagccct ccttgcgctt cttgcccttt tagtgagcgc aacaaatgcg 120

ttcattattc cacagtgtc acttgctcct agtgccagta ttccacagtt cctcccaccg 180

gtgggggggag gggggcttcn aacatccagc cgtgcaagcc tacaggctac aactagcgct 240

tgcgggcgagc gccttacaac aaccaattgc ccaattgcaa caacaatcct tggcacatct 300

aaccctacaa accattgcaa cgcaacaaca acaacaacag tttctgccat cactgagcca 360

cctagccgtg gtgaacctg tcacctactt gcaacagcag ctgcttgcat ccaaccact 420

tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt ttatgccagt 480

gctcagtcaa ctagccatgg tgaacctgc cgtctaccta caactacttt catctagccc 540

gctcgcggtg ggcaatgcac ctacgtacct acaac 575

<210> 10686
 <211> 579
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-E4

 <400> 10686

cgcagcacat anaagtagaa tgctgggcga caatagagca acaatggcga ccaagatatt 60
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 atgctcaciaa gctcctatag cttcccttct tccccatac cttccatcaa ttgtgggggg 180
 ggggtgtgaa aaccagctc ttcaaccata taggcttcaa caagcaatcg cagcaagcaa 240
 cataccttta tcgcccttgt tgtttcaaca atcaccagcc ctatctttgg tgcagtcatt 300
 ggtacaaacc atcagggcac aacagctgca gcaactcgtg ctacctgtga tcaaccaagt 360
 agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat tcaaccaact 420
 gtctacactg aaccctgctg cttatttgca gcaacaacta ttaccattta gccagctagc 480
 tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg cactgaacct 540
 cgctgcttat ttgcagcagc aaatactact gccatttag 579

<210> 10687
 <211> 580
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-E6

 <400> 10687

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 aataagtctc gtgcaggcga aggacgtaag acgacgcgga cgcaccgtca aagtctacag 120
 gctgcgcaat ccctttctcc ctcttatccc caaggcgagg agctgagggg gggggggggg 180
 cgggggggctg ctgttcttgt tccccgctc tccaagatgt cgtccccgag caagcgccgc 240
 gagatggacc ttatgaagct gatgatgagc gactacaagg tcgagatggt gaacgatggg 300
 atgcaggaat tcttcgtcga attcaagggg cgggccgaaa gtaatagccc tcgcgctgaa 360
 tcccggttgc tcttctctct ccctgcctcc cgtgctgatg gtgcacgctc ctgattctga 420

tctagatggt gtgggggtgga agttcagttt caggaaaact gccagtctcc actgttgatc 480
 gtgttcagat attcttgtcc gtttagcttc atccttgatt ggttgctcag ttgacccgaa 540
 ccgtccttcc ttttcagtca tagtttatca caggattttg 580

<210> 10688
 <211> 537
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-E7
 <400> 10688

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 gatctagtag agaggctagt aggtggctct cgaacgaaga tggtggcggt gttcagcggg 120
 caggtgggtg aggtgccggc ggagctggtg gcggcgggca gccggacgcc gtcncccaag 180
 aggggggggt ggcagctcgt ggggcgcttc ctggcccgct ccgagccggc cgtgtccgtg 240
 cagctcggcg accacggcca cctcgcctac tcccacacca accaggcgct cctccgcccc 300
 aggtcgcttcg cggccaagga cgaggtgttc tgccgttctg aaggggtgct ggacaacctg 360
 ggtcggctga gccagcagca cgggctgtca agcaagggcg ccaacgaggt gctcctcgtc 420
 atcgaggcct acaagacgct gcgcgaccgc gcgccctacc cggccagctt catgctcgcc 480
 cagctcaccg gctcctacgc cttcgtcctc ttgcacaagt ccaccaactc cctgctc 537

<210> 10689
 <211> 544
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-E8
 <400> 10689

cggctctacc agcgttcttc agcgtccgac catatatctc cctggcgcgg aggcacacat 60
 aatactaaca ttccattccg ttccatctca aaggatagaa caatgggcgg tctctccacc 120
 aagcttttcg tggtcctcct cctgctcggt tgttacaccg ggacgcaagg cgggccgggtg 180
 actatggtnt ctgcgaggaa ggctaggggc anancttccg cttcaaggga ccttgctcga 240

gggacgccaa ctgcgcaaac gtctgcctga ccgaagggtt caccggcggc gtgtgcaagg 300
 gcctacgcca ccgctgcttc tgcaccaggg actgctagta ctgcctcgtc tcgcctcgcc 360
 tcggctcgtg tcttgcgtgt gcatagccgc agcggatcag taaaacatgc atgcatgcgt 420
 taccgaatat ttggcagtac cagcaagtta atggattaaa taatatgtaa tggaacaaaag 480
 cctgttttga acgttgaact gctgagtgtc agcagcgctc gtgtttattg gcataatatga 540
 actc 544

<210> 10690

<211> 336

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-E9

<400> 10690

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 ccttgcaaag aggctcgagc tgtaccggag tgcccaatcc gaaattgatg ccgttgcatt 120
 gtccaaatag tcttgatggc caagatatct gttcttacc cttgtctggc gattctgtct 180
 ccgtnggggg ggcatatata gctgattttt cgtgtttag gtcagggtcat tttatatatc 240
 accggagctg tacggtgtca tggtccttgt gcttgaggat ctaggggggg cacttgcatt 300
 tcgaacaagt tcttacatcg cgctttcgtt ccatct 336

<210> 10691

<211> 565

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-F1

<400> 10691

tgagcattca gaaaacacct agcgaggcgc actagcaacg acctaacaac aatggctacc 60
 aagatattat cctcttttgc gcttcttgcc ctttttgtga gcgcaacaaa tgcgttcatt 120
 attccacaat gtcacttgc tcctagtgc attattccac agttcctccc tccattgcgt 180
 gatgggcttc gaacaccag ctgtgcaagc ctacaggcta caacaagcgc ttgcggcgag 240

cgtntttacaa caaccaattg cccaattaca acaacaatcc ttggcacatc taaccataca 300
 aaccatcgca acgcaacagc aacaacaatt tctaccagca ctgagccaac tagctgtggt 360
 gaaccctgtc gctacttgc aacagcagtt gcttgcaccc aaccacttg ctctggcaaa 420
 catagttgca taccaacaac aacaacaatt gcaacagttt ctaccagcgc tcagtcaact 480
 agccatggtg aaccctgccg cctacctaca acagcaacaa ctgatttcat ctagccctct 540
 cgctgtggtt aatgcaccta catac 565

<210> 10692

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-F11

<400> 10692

tattattgaa accaacaagc aacataggag gtgggatcca gtagcaacaa tagagcaaca 60
 atggcgacca agatactttc cctccttatg ctccttgctc tttctgcatg tgttgctaac 120
 ggcacaattt tccttcaatg ctccacaagct cctatagctt cccttcttcc cccatacctg 180
 ggggggaggg atagcttcag tatgtgaaaa ccagctctt caaccctata ggctccaaca 240
 agcaatcgca gcaagcaaca tacctttatc acccttggtt caacaatcg cagccctatc 300
 tttggtgcag tcattggtac aaaccatcaa ggcacagcag ctgcagcaac tcgtgctacc 360
 tgtgatcaac caagtagctc tggcaaacct ttctccctac tatcagcaac aacaatttct 420
 tccattcaac caactatcta cactgaacct tgcgtgcttat ttgcagcaac aactattacc 480
 attcagccag ctagctactg cctactctca tcaacaacaa cttcttccat ttaaccaatt 540
 ggccgcactg aacctcgctg cttatttgca gcagcaaa 578

<210> 10693

<211> 561

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-F12

<400> 10693

aactagcaac atagcagggg cagggggtac caacaatggc agccaaaatt ttgcttcct 60

tatgctcctt ggtctttctg caagtgttgc taccgcaacc attttcccac aatgctcaca 120
agctcctata gcttcccttc ttccccata cctctcacca gcggtggggg cgagggtgaa 180
aaccacaattg ttcaacccta caggatccaa caggcaatcg caacaggcat cttaccatta 240
tcacccttgt tctccaaca accgtcagcc ctattacage agttaccttt ggtccatttg 300
gtggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgca 360
tactctcage aacatcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct 420
tatttgcaac aacaattacc attcagccag ctagttgctg cctaccccca gcaatttctt 480
ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca acaactacta 540
ccattcagcc agctagctga t 561

<210> 10694
<211> 518
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-099-Q1-K6-F2
<400> 10694

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actctcagca acagcagttt cttccattca accaactage tgcattgaac tctgcttctt 120
atttgcaaca acaacaacta ccattcagcc agctacctgc tgectacccc cggggggggg 180
gggggggttca accaactggc agcattgaac tctcctgctt atttacagga gcaacaacta 240
ctaccattca gccagctage tgggtgtgagc cctggttcct ttttgataca accacaggtg 300
tgtgcccgtc taccagtatg ctgggcctaa tgggtgggacc ctgttacaac tgcaacaatt 360
ggtgccattc aaccaacttg gtttgacaaa cccaggaggg ttctaccaac aaccatcat 420
tggggggggc ctctttttaga tttgttatga gttatagttc aataataaag ttttttgtct 480
gatgtttgtg gcttcccaga aataagaaag gacatttc 518

<210> 10695
<211> 353
<212> DNA
<213> Zea mays
<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-F3

<400> 10695

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tttttttttt tttttttttt ttnttttttt tttttttttt tttttttttt tttttttttt 120
ttttttnttt ntntntnttn tttttttttt tttttttttt tttttttttt tttttttttt 180
ttttttttct tttttttttt tttttttttt tttttttctt tttttttttt tttttttttt 240
ttttctcttt tttctctttt tttttttttt tttttttttt tttntttttt tttttttttt 300
cttttttttt tttttttttt tttttttctt tttttttttt tctttttttt ttt 353

<210> 10696

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-F4

<400> 10696

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tctgcaagtg ctgctaccgc aaccattttc ccacaatgct cacaagctcc tatagcttcc 120
ttttttcccc catacctctc accagcggty tcttcagtat gtgggaaccg aatgggtcaa 180
ccctacagga tccaacaggc aatcgcagca ggcattctac ctttatcacc cttgttcttc 240
caacaaccgt cagccctatt acagcagtta cctttggtgc atttggtggc aaaaaacatc 300
aaggcacaac aactacaaca acttggtgta ggaaaccttg ctgcctactc tcagcaacag 360
cagttttcttc cattcaacca actgggtgca ttgaactctg ctgcttattt gcaacaacaa 420
ctaccattca gtcagctagc tgctgcttac cccagcaat ttcttcatt caaccaactg 480
gcagcattga actctgctgc ttatttacia cagcaacagc taccaccatt cagccagcta 540
gctgatgtga gccctggtgc cttcttga 568

<210> 10697

<211> 580

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-F6

<400> 10697

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cagagaattt tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat 120
tttccctcaa tgctcacaag ctectatage ttccttctt ccccataacc ttccatcagg 180
gggggggtgga gtatgtgaaa acccagctct tcaaccatat aggcttcaac aagcaatcgc 240
agcaagcaac atacctttat cgcccttggt gtttcaacaa tcaccagccc tatctttggt 300
gcagtcattg gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat 360
caaccaagta gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt 420
caaccaactg tctacactga acctgctgc ttatttgcag caacaactat taccatttag 480
ccagctagct actgcctact ctacagcaaca acaacttctt ccatttaacc aattggccgc 540
actgaacccc gctgcttatt tgcagcagca aatactactg 580

<210> 10698

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-F7

<400> 10698

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gattttccga gctgggtggt tgaatgccag cgcngaaaag agggaaaggc agagtcaagt 120
tgttaaagca acgaagatgg cctttctcag gggttctgga ggtgcagcga ttttaatttg 180
gggggggtgat ttatgttata tactgttttg cgtcatactg aacttcatcg tttaggactt 240
gacaggggca ttgtatcgat ggccagcttt gtgctagtgc gtttattggt gcgatcccag 300
ttgtatgtaa atgtaaacad tgaccaaagt cagccgaaag aaatgtaata gcgggtcata 360
aactgctatg aatttgat 379

<210> 10699

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-F9

<400> 10699

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caaccatata ggcttcaaca agcaatcgca gcaagcaaca tacctttatc gcccttggtg 120
tttcaacaat cgccagccct atctttggtg cagtcattgg taaaaacat canggcacaa 180
cggggggggc gactcgtgct acctctgac aaccaagtag ctctggcaaa cctttctccc 240
tactctcagc aacaacaatt tcttccattc aaccaactgt ctacactgaa ccctgctgct 300
tatttgagc aacaactatt accatttagc cagctagcta ctgcctactc tcagcaacaa 360
caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt gcagcagcaa 420
atactactac catttagcca gctagctgca gcaaaccgtg cttccttctt gacacagcaa 480
cagttgctgc ctttctacca gcagtttgcg gctaaccccg caacctctt acaactacaa 540
caattgttgc cctttgtcca acttgctttg acagaccc 578

<210> 10700

<211> 568

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-G10

<400> 10700

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caagtgtgc taccgcaacc attttccac aatgtcaca agctcctata gcttcctttc 120
ttccccata cctctacca gcggtgtctt cagtatgtga aaacgggggtt gcttggaccc 180
tacangatcc aacaggcaat cgcagcaggc atcttacctt tatcacctt gttcctcaa 240
caaccgtcag ccctattaca gcagttacct ttggtgcatt tgttggcaca aaacatcaag 300
gcacaacaac tacaacaact tgtgctagga aaccttgctg cctactctca gcaacagcag 360
tttcttccat tcaaccaact ggctgcattg aactctgctg cttatttgca acaacaacta 420
ccattcagtc agctagctgc tgctacccc cagcaatttc ttccattcaa ccaactggca 480
gcattgaact ctgctgctta ttacaacag caacagctac caccattcag ccagctagct 540

gatgtgagcc ctgttgccctt cttgacac

568

<210> 10701

<211> 551

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-G12

<400> 10701

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ctttacgatg ccatgaaaga ttgggtcagc gaactcgggg gggggggcgg aactcaacga 180

gaagctggtg gagaagcagg atgagctcga gaaggcccgt caggaattcc ttgaagatat 240

tcgtacaagg gacgctgaaa ttctgaagct gaagcagctc ttagatgaga aggctgaaaa 300

aaacaattct gcagctactg ggtttccttg cctagcgcct gaagctgtcc tagaaaattc 360

aactccattg tcacctaaaa gaaagacacc attttccac ggcaagcagc tagaatgctc 420

cagaagacat acacgcatct cagggaatag gacaacagag attcggagtg ctcatatgct 480

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<210> 10702

<211> 135

<212> DNA

<213> Zea mays

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<400> 10702

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ttgcttcttt atgctccttg gtctttctgc aagtgttgct accgcaacca ttttcccaca 120

atgctcaciaa gctcc 135

<210> 10703

<211> 572

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-G4

<400> 10703

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cacttatgtc atagaactaa ttctcacgaa gaatcagaat aagatagaac ttaccaaac 120
gacccttaca tacactggtg ctgacacata caaacagaca cacgcacata ctgggggggg 180
gggggggggg acacacacat acgaccataa gtatatagga gggatacaca ctaaaacgaa 240
cacatgacat acaggaaatt aaactaagtt taaattgctt attttccacg agacgaaaca 300
cgagcacgng aaaatggcaa gacaagagag cgacaccacc aaacatgcat gcatgggtat 360
gctagttcac atgacactgc acgaggggccc gccgccctgc ctgggttggg ggtgggtggcg 420
gccatgctgc tgctgctgcg cgcgctggca gtcggcgctg gcgtcgctct cggtgccgat 480
ggaacagcca ggctcgact ggtcgccacc agcgtcggcg taggcggtag catcggttc 540
atcatcagcg tacgcggggg cggcggcccg gt 572

<210> 10704

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-G5

<400> 10704

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tgcgagcgcc acctccacgc atacaagcgg cggtcgggc tgccagccac cgccgccggt 120
tcacttaccg ccgcccgtgc atctgccacc tccggttcac ctgccacctc ctgggcgggt 180
gccggcgggg gtccacctgc cgccgccggt ccacctgcca ccgacggtcc atgtgccgcc 240
gccggttcat ctgccgcgc caccatgcca ctacctact caaccgcccc ggctcagcc 300
tcacccccag ccacacccat gcccgtgcca acagccgcat ccaagcccggt gccagctgca 360
gggaacctgc ggcgttgga gcaccccgat cctgggccag tgcgtcgagt ttctgaggca 420
tcagtgcagc ccgacggcga cgcctactg ctgcctcag tgccagtcgt tgcggcagca 480
gtgttgccag cagctcagga aggtggagcc gcagcaccgg taccaggcga tcttcggctt 540

ggtcctccag tccatcctgc agcagcagcc gca

573

<210> 10705

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-G6

<400> 10705

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taccaagata ttatccctct ttgcgcttct tgcccttttt gtgagcgcaa caaatgcgtt 120

cattattcca caatgctcac ttgctcctag tgccattatt ccacagttcc tccctgcagg 180

gggggtgaatg ggcttcgaac acccagctgt gcaagcctac aggctacaac aagcgcttgc 240

ggcgagcgtc ttacaacaac caattgcca attacaacaa caatccttgg cacatctaac 300

catacaaacc atcgcaacgc aacagcaaca acaatttcta ccagcactga gccaaactagc 360

tgtgggtgaac cctgtcgctt acttgcaaca gcagttgctt gcatccaacc cacttgctct 420

ggcaaacata gttgcatacc aacaacaaca acaattgcaa cagtttctac cagcgctcag 480

tcaactagcc atgggtgaacc ctgccgcta cctacaacag caacaactga tttcatctag 540

ccctctcgct gtggttaatg cacctacata cctgcaacaa c 581

<210> 10706

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-G7

<400> 10706

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ccgccgagca gccaatcca aagcgtgaca aagccgctgc aaatgattca acatacctca 120

atcctcaagc tcatgatagt gttcttggaa tcattctggg aggtgggtgct gggactaggg 180

ggggcggtt gacaaagaag cgtgccaaag ctgcagtgcc attgggtgcc aactatagac 240

tgattgatat tctgtcagc aattgtctca acagcaacat atccaagatc tatgtgctaa 300

cgcaatttaa ctctgcttcc ctcaaccgtc acctctcaag agcctacggg agcaacattg 360

gaggggtacaa gaatgaaggg tttgttgaag tcttagctgc acagcagagc ccagataatc 420
 caaactgggtt tcaggggtact gcagatgctg taaggcagta cttgtgggtt tttgaggagc 480
 ataatgtgat ggaatttcta attcttgcctg gcgatcacct gtaccggatg gactatgaaa 540
 agttcattca ggcacacaga gaaacaaatg ctgatattac c 581

<210> 10707

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-G8

<400> 10707

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 tgcctccggc ggatccaaga acaacaacgg gtacaacctt acgatacgtg ccgacgggga 120
 cacagtgaaa atctcgtccg catctgccag cgccgccacg gtgaccaaga cgctgctcga 180
 caaggcgggt ntgccttgta cctcatcgac gcggtgctcc tgccaaggca gcagtctaac 240
 gacgaccagg gacacactgc gcccgcccct gcgcgggctt cctcgctcgc acatgcacct 300
 acacctgccc ttgcgcgggt ctgcgcctcg cctgcccctg taccgggtctc gccgtcgccg 360
 tcgcctgcac atgcacccac acccccactt gccctgctc cggtgactgc acctgcgccc 420
 aggagtcgcc cagcgccatc gccagagcac actaccccag ctcttctgcc ggacgcggac 480
 ggccaaccgc ctgcagatca gaagaacaac gcagcaaggg aactgcctc ttggactatc 540
 ggcgcggtgc tggcgatcgt gtgcctcttg tcgtgaaggg tttaagc 587

<210> 10708

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-G9

<400> 10708

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 tgcggaatac gcggagctta ttgcaaacaa actacgcccc tatgagnaaa agctttcact 120

acatggctct gcttaagaat gtcacgagac tttccatgac atcggtgaaa ggtgcggagg 180
 ccgaggatat atcttcttcc gtgacggcaa ttgctaacga gaagatcaag gctgagaagg 240
 aggctgcagc aggcaaaaag aaacaaggag cgaaaaagaa gcaactccac atcgagaaaag 300
 gagacgacga cttcatcccc ggccgggggtg gtggctacga tgaccccgat gagtacgact 360
 tcatgtgatc tggctgggag ggatagtagg tttctgttat gtataccttt ggcgggcaga 420
 gaatatatca ctagagtttg cggcatacta ttgcatggaa catgcgttat ctattcgaga 480
 atgatttttg actctgcagg ataagaagag cacttgtgat ctggatgcat ggggtgttttc 540
 ttatttatcc ttgaatcttt gtgttatttt ttttttcaac attgcatttt ttgc 594

<210> 10709
 <211> 519
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-H1

 <400> 10709

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 ccgcttcacg tgccccctgc aggtcccctt tccgccccaa atggagccga agaagtcctc 120
 cgnccagcgc cagccccacg ccatggagcc caacaagtcc tctctatgcg gcgccggggg 180
 tggggggggc accgccgaag ccgantcccc gttgtgcagc ttgttctacc cgccggcgcc 240
 gaccgcggtc aaatgggtaa agatttggac ttgtacagca ttctttataa agggcagagc 300
 gggagcgcac aagctggcgt cacagatggt aaaccgcaat gggctccttc ttccagaagt 360
 cgtgccgcga atgcaaagga tggtaaacad tcaccgcctt atgattcagt tgatacgtcg 420
 tgttttggat cgtctgtgga ttatggtggt cgagattatt tctacgggag ctctacaccc 480
 aagaaagtga cagaatcctc cactgactac aaagggaaac 519

<210> 10710
 <211> 582
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-099-Q1-K6-H12

 <400> 10710

gtcgacccag cgttcgttct ggtgattggt ttaacaaggt tggtaggggg tatgaaacaa 60
acaattgggg tgttgggctt ccaccaagag aaaagaacga agggagctgg cctttgatga 120
agccaagatt ggagaacccg tcgttcaaac ctgcaaaaca tgacattatt gctgccttag 180
acaaatttat tgatggggcg aggatcagat actcatcacc tctctttcgc ctaactacag 240
caagtgatat tgtgcaaagg gttaactttc acaacacagg gccctccttg gttccaggag 300
ttattgtcat gagcatcgaa gatgcacgaa atgataggca tgatatggcc cagatagatg 360
aaacattctc ttgtgtcggt acagtcttca atgtatgtcc gtacgaagtg tctatagaaa 420
tccctgatct tgcactactg cggcttcagt tgcattcagt gcaggtgaat tcatcggatg 480
cgtagccag gcagtctcgc tacgaccccg ccacaggtcg attcacctg ccgaaaagga 540
cagcagcagt gttcgtggaa cccaggtgct gatggatgcc tt 582

<210> 10711
<211> 536
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-H2
<400> 10711

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ccaaaaacca tgaagctggt gcttgtggtt cttgctttca ttgctttagt atcaagtgtt 120
tcttgtacac anacaggggg gggttgctng ggggaacaac aanccatna ccancaacat 180
catccacaac aacatcatcc acaaaaacaa caacatcaac caccaccaca acatcaccag 240
cancatcaac accaacaaca acaagttcac atgcaaccac aaaaacatca tcaacaacaa 300
gaagttcatg ttcaacaaca acaacaacaa ccgcagcacc accaccaaca acaacaacaa 360
cagcaccaac aacaacatca atgtgaaggc caacaacaac atcaccaaca atcacaaggc 420
catgtgcaac aacacgaaca gagccatgag caacaccaag gacagagcca tgagcaacaa 480
catcaacaac aattccaggg tcatgacaag cagcaacaac cacaacagcc tcagca 536

<210> 10712
<211> 583
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-H7

<400> 10712

attgagaacc aatagcaaca taggaaagca caatagtgtg ccaacaatgg cagccaaaat 60
ttttgectcc ttatgctcct tgggtctttct gcaagtgtgt ctacggcgac cattttccca 120
caatgctcac aagctcctat agcttccctt cttcccccggt acctctcacc agcgggtgtct 180
tggtgggtgtg aaaacccaat ttttcaaccc tataggatcc aacaggcaat cgcagctggc 240
atcttacctt tatcaccctt gtctctccaa caatcatcag ccctattaca gcagttacgt 300
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
aaccttgctg cctactctca gcaacaacag tttcttccat tcaaccaact agctgcattg 420
aactctgctt cttatttgca acaacaacaa ctaccattca gccagctatc tgctgcctac 480
ccccagcaat ttcttccatt caaccaactg acagctttga actctcctgc ttatttacag 540
cagcaacaac tactaccatt cagccagcta gctgggtgtga gcc 583

<210> 10713

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-H8

<400> 10713

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ccttatgtct cttggtcttt ctgcaagtgc tgctacggcg accattttcc cgcaatgtct 120
gcaagctcct atagcttccc ttcttcccc gtacctctca ccagnncggt gtcttcggtg 180
ggggggggaa cccaattctt caaccctaca ggatccaaca ggcaatcaca gctggcatct 240
tacctttatc acccttggtc ctccaacaat catcagccct attacatcag ttacctttgg 300
tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc 360
ttgctgcta ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact 420
ctgcttctta ttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc 480
agcaatttct tcattcaac caactggcag cattgaactc tcctgcttat ttacagcagc 540

aacaactact accattcagc cagctagctg gtgtgagccc tg

582

<210> 10714

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-H9

<400> 10714

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tttccctcct tatgctcctt gctctttcta catgtgttgc taacgcgaca attttccctc 120

aatgttcaca agctcctata gcttcccttc ttccccata ccttccatca attatagggg 180

gaatatgtga aaaccagct cttcaaccat ataggcttca acaagcaatc gcagcaagca 240

acataccttt atcgcccttg ttgtttcaac aatcgccagc cctatctttg gtgcagtcac 300

tggtacaaac catcagggca caacagctgc agcaactcgt gctacctctg atcaaccaag 360

tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca ttcaaccaac 420

tgtctacact gaaccctgct gcttatttgc agcaacaact attaccattt agccagctag 480

ctactgccta ctctcagcaa caacaacttc ttccatttaa ccaattggcc gcactgaacc 540

ccgctgctta tttgcagcag caaatactac taccattt 578

<210> 10715

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-A1

<400> 10715

ctcacttgct cctagtgcc aatttccaca gttcctccca ccattacttc aatgggcttc 60

gaacacctag ctgtgcaagc caacatgcaa caacaagcgc ttgcggcgag cgtcttataa 120

caaccaattg cccaattgca acaacaatcc ttgccacatc taacaatata agccatcaca 180

acgcaacagc aacaacagtt cctaccagca ctgagccacc tagccatggt gaaccctgcc 240

gcctacttgc cagagcagct gcttgcaccc aacccacttg ctctggcgaa cgtagttgca 300

aaccagcaac aacaacagct acaacagttt ctgccaacgc tcagtcaact agccatggtg 360
aaccctgccg tctacgtaca acaacaacaa ctgctttcat ctagcccgct cgctgtgggc 420
aatgcaccta catacctgca acaacaattg ttgcaacaga ttgtaccagc tctgactcaa 480
ctagctgtgg caaacctgtg tgccacttg caacagctgc ttccattcaa ccaactgact 540
ctgtcgaact ctgctgcgta cctacaac 568

<210> 10716

<211> 274

<212> DNA

<213> Zea mays . . .

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-A10

<400> 10716

ggcnnccaac anccagccgn gcaagccnac aggcncacaac nagcgcnngc ggcgagcgcc 60
nnacaacaac caanngccca anngcaacaa caanccnngg cacancnaac ccnacaaacc 120
anngcaacgc aacaacaaca acaacagnnn cngccancac ngagccaccn agccngngng 180
aaccnngnca ccnacttgca acagcagcng cnngcancca acccncnngc tcnggcgaac 240
gnagcngcan accagcaaca acaacagcng caac 274

<210> 10717

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-A11

<400> 10717

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aaaactgctg caagcaaacc tgataaaaat gagcagaatg acacaactgc agtaaaactat 120
gaggaggcag cacttgatc atcatctagt gattacagga tgcccttggt atggattgac 180
ttggaaatga ccggtttgga tataacaaaa gatcggattt tggagattgc ttgtatcata 240
acggatggca aacttacaaa acaaatagag ggtcctgact tagttataag ccagagcaaa 300
gattgtttag ataatatgga tgaatgggtgc aaaactcatc atgcagctag tggtttgacg 360

gaaagagtac tgcagagtga actttctgag catgatgcag aggcaaaagt tttagacttt 420
 gtttaggaagc acataaattc aggcactcca ttattagctg ggaattctgt ttatgtggat 480
 tttctatttc tgaagaagta catgccacag cttgcagccg tcttctctca tgtaattgtc 540
 gatgtgagta gtataatggc tttatgcata cgatgg 576

<210> 10718

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-A12,

<400> 10718

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 gatgttggtt tatcaggatc tcctatctgg cgacgagctc ctgtcggatt cattcaccta 120
 caaggagctc gagaacggcg tcctgtggga ggctcagggga aagtgggtca cccagggggg 180
 ggggatgtgg acattggtgc caatccatcc gccgaggggtg gtgaggacga aagcgttgat 240
 gacacagctg tgaagggtgt tgatattggt gacacattcc gtctacagga gcaacctcct 300
 tttgacaaga aatcatttgt gtcttacatc aaaaaataca tcaagaatct cactgctgtg 360
 ttggagccag agaaagcgga tgagttcaaa aagggtgtcg aggggtgcaac caagtttctc 420
 cttagcaagc tgaaggacct ccaatttttt gttggtgagt ccatgaagga tgatgcgtct 480
 gtgggtattcg cctattacaa ggatggtgcc actaatccga cattcctcta tttctctcat 540
 ggtcttaagg agatcaagtg ctaggcgtgc ggcgaaatta gttacccatg ttgggtacta 600
 t 601

<210> 10719

<211> 589

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-A2

<400> 10719

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 gatattagcc ctctttgcgc ttcttgccct ttttgtgagc gcaacaaatg cgttcattat 120

tccacaatgc tcacttgctc ctagtgccat tattccacag ttctctccac cagttacgtg 180
 ggggtgggct tcgaacacct agctgtgcaa gccaatgc aacaacaagc gcttgcggcg 240
 agcgtcttac aacaaccaat tgcccaattg caacaacaat ccttgccaca tctaacaata 300
 caagccatca caacgcaaca gcaacaacag ttctaccag cactgagcca cctagccatg 360
 gtgaaccctg ccgcctactt gcaagagcag ctgcttgcac ccaaccact tgctctggcg 420
 aacgtagtgtg caaaccagca acaacaacag ctacaacagt ttctgccaac gctcagtcaa 480
 ctagccatgg tgaaccctgc cgcctacgta caacaacaac aactgctttc atctagcccg 540
 ctgcgtgtgg gcaatgcacc tacatacctg caacaacaat tggttgaac 589

<210> 10720
 <211> 590
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-A3
 <400> 10720

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 ggggccaagg aattttccat ccttatgctc cttgctcttt ctgcatgtgt tgctaacgcg 120
 accatttttc ctcaatactc acaagctcct atagctgccc ttcttcccc atactttcca 180
 tcagggaggg ggggggggtgt gaaaaccag cccttcaacc ctacaggatc cagcaagcaa 240
 togcaacaag caacttacct ttatcacacc tggtctttca acaatcgcca gccctatctt 300
 tgggtgcagtc attggtccaa accatcaggg cagaacagtt gcagcaactc gtgctaccag 360
 tgatcagcca agtagctttg gcaaaccctt cccctactc tcagcaacaa caatttcttc 420
 cattcaacca actgtctata ctgaaccctg ctgcttattt gcagcaacaa caactactac 480
 cattcagcca gctagctact gctactctc agcagcaaca atttcttcca tttaaccaat 540
 tggcgcgact gaaccctct gcttatttcc agcagcaaat actactacca 590

<210> 10721
 <211> 287
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-A7

<400> 10721

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ccgaccagag gaccaaggag naccancca agnggaccaa gaagaagnac agcaaggaca 120
ndagcaagga caaccnggcc cngggaaagc cgaggaggga agccgagcgc gccaagagag 180
ccncagcaa ccagcaccag gncgggng agaacgagnc ccncnngac gggaccgann 240
ncncggagcc gcggaccg gccaggnng aggagcgga caacgac 287

<210> 10722

<211> 569

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B1

<400> 10722

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ctatcagatt ctgcacgagt acaaaattca caatgctgag gtgttattcc gtgaagatgc 120
tctgggtgat ctcatgacg ttatcgaagg aaccggaagt cataaagtgc gggggcgggt 180
ataacaagat cgatgttgtt ggtatcgatg acgttgataa tcttgctcgg caaccaaatt 240
cactagtgat cagctgcaat ttgaagctga acttgacag actacttgcg agaatgtggg 300
aggagatggg cctagtgagg gtgtatacaa agccacaggg ccagcagcct gatttcacag 360
accagttgt tctttccacc gacagagggt gctgcacggt ggaggacttc tgcaatcata 420
tccatagaag tttgctcaag gacgtgaagt atgtgctcgt atggggaacc agcgcaaggc 480
actatccaca gcattgcggg cttggccatg gccttaacga cgaggatgtc gtccagatag 540
taaagaagaa ggaaaaggag gaggtgggc 569

<210> 10723

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B10

<400> 10723

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gctgaattgg gccagtgtg gtgaaaagcg cgatgatact cctgaatata ctatttttgt 120
tggggatttg gctgcagatg ttacagatta cttgttataa gagacattca ggggtgcatgg 180
tggggtctgt caaggggtgca aaagttgtga ctgataaatt gacaatgcgc acaaagggtt 240
atggatttgt gaaatttggg gatcctacag agcaagctcg tgcaatgact gaaatgaatg 300
gaatgccttg ttcttccagg cctatgcgta ttgggtcctgc agcaagtagg aaaaatacag 360
gaggtgttgt tcaagagaga gtaccaaatt ctcaaggagc tcagtctgag aatgatccta 420
acaataccac tatatttgtt ggtgggcttg accccaatgt cactgaagat accctaaaac 480
aagttttttc tccttacggt gaagtcgtcc atgttaagat ccctgttggg aagagatgtg 540
gttttgttca gttcgttacc agaccttctg ctgaacaagc gctgctaata ctgcaagggc 600

<210> 10724

<211> 493

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B11

<400> 10724

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ggcgttggca gcaccccgat cctgggccag tgcgtcgagt ttctgaggca tcaatgcanc 120
cctacgggta gtcgggactg ctncctcan tgccagtcct tgccggcaaca aaaaaaccaa 180
caactcaggc aggtggagcc ccagcaccgg taccaggoga tcttcggctt ggtcctccag 240
tccatcctgc agcagcagcc gcaaagcggc cagctcgccg ggctgttggc ggcgcagata 300
ggcancanac tgaccgcat gtgcggcctg cagcagccga ctccatgcc ctacgtgct 360
gccggcggtg tccccactg aagaaactat ctgctgcagt atagccgctg gctagctagc 420
tagttgagtc atttaccgc catgattgag taataatgtg tcacgcacca ccatgggtgg 480
cagtgtcagt gtg 493

<210> 10725

<211> 536

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-B12

 <400> 10725

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 aggaggga aa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaatt tttttttccc ccttnananc 180
 cccttttttt tttgtacnn ggggnccncc ccnncnccnccccccctt ttttcccaac 240
 aaaaaaaaaa aaaaatcccc ccccttttcc aaccttnnnc cctnnaaac cttttccttc 300
 cccaatttta ttccctttcc accacttccc tttttccccc ttccctcttt tcctaaaaac 360
 cccccaccn ntcccctttc caaacttttc tccccctta ttccaattt cccccccccc 420
 ttttcccccc tttaaacccc ccannttttn tttttccccc ctttttnccc ctttcccttt 480
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<210> 10726
 <211> 217
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-B2

 <400> 10726

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 ctccatagc ttcccttctt cccccgtacc tctcaccanc ttttttttgg gggggggggg 120
 gggcanttct tcanccttc tttatccaac attcatttac aattttcttt ttatcttttt 180
 ttcccttttt tctttttctt tttttatttc tttttct 217

<210> 10727
 <211> 343
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-B4

<400> 10727

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gacgagnagg ggggtgaaatc gtcgttcaac atgatgtctc atcatncntn nnnanntnna 120

tatgtgtttc gcnagcgcga nanttttnana angtgcantt cttgaaaaaa gtcaaatagc 180

attgcgaatt ctgtttccgt ggtggacgat ctttcgttat tgagaggagt gatagtttga 240

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taatacattg gatgcaattg gcatcttgaa ttnnnaaaaa naa 343

<210> 10728

<211> 529

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B5

<400> 10728

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gctgctacgg cgaccatttt cccacaatgc tcacaagctc ctatagcttc ctttcttccc 120

ccgtacctct caccatcttg tgtggttgn gggggggana aaccaattc ttcaacccta 180

cangatccaa caagcaatca cagctggcat cttaccttta tcacccttgt tcctccaaca 240

atcatcagcc ctattacagc agttaccttt ggtgcattta ttggcacaaa acatcagggc 300

acaacaacta caacaacttg tgctagcaaa ccttgtgtgc tactctcagc aacagcagtt 360

tcttccattc aaccaactag ctgcattgaa ctctgttct tatttgcaac aacaacaact 420

accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca accaactgac 480

agcattgaac tctcctgctc atttacagca gcaacaacta ctaccattc 529

<210> 10729

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B6

<400> 10729

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 agacctaccc tggcttcaag cgcattacca tcaaccctg ttttgccctg ggtnttcccc 120
 gagaccaaca ctgncatcat tgctcttact aagggtcgcc tgatgaacct tgggtgtgct 180
 actggccatc ctagctttgt catgtctctg tcattcacta accaggtcat tgcccaactt 240
 gaactgtgga aggagaagag ctctggcaag tatgagaaga aagtgtatgt gctccccaag 300
 caccttgatg agaaggttgc tgctctccac ttgggcaagc ttggtgcaa gctgaccaag 360
 ctcaccaagt cttcagccga ctacatcagc gtgcccacg agggtccta caagcctgcc 420
 cactaccggt actaggcaac cagcaca 447

<210> 10730
 <211> 501
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-B9
 <400> 10730

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 aggatctgca tgccctatat tcttggttgg ctgantgggt acaantnnnc antttgttgg 120
 tgttgctgaa atgactggcg ccgttgattt tgagaaaacc ctagagtatt ggcaacagga 180
 caagtggaac ggctccttct ctgttaagtg gcacattgtc aaggacgtgc ccaacaatat 240
 tctcaagcac atcatcctgg agaacaatga gaacaagcct gtcacaaaca gccgtgacac 300
 tcaggagata cgctcgaac aaggccttca gatgctcaag atattcaagg atcatgtcag 360
 caaaaacttcc atcctcgacg actttgcctt ctatgagagc cgccagaagt tgatgcagga 420
 taagaggtec aaacagcagc agctccaaaa gcagggtctgg gacactagga cccccgtttc 480
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<210> 10731
 <211> 215
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-C1

<400> 10731

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gggggcaaaa tttttgcctg cttatgctcc ttgggtcttcc tgcaagtgtc gctacgggga 120
ccattttccc gcaatgctcg caagctccta tagcttccct tcttccccct tacgtggggg 180
gggggggggc ttctntttnt naaaaccnat ttttt 215

<210> 10732

<211> 536

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-C10

<400> 10732

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ctagcaaacc ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactaggt 120
tcattgaact ctgcttctta ttgcaacaa caacaactac cattcancca gctacggtct 180
gocggccccc agcaatttct tccattcaac caactagcag cattgaactc tctgtcttat 240
ttacagcagc aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc 300
ttgacacaac cacagttggt gccgttctac cagcacgttg cgcctaacgc tggcacccctc 360
ttacaactgc aacaattgct gccattcaac caacttgctt tgacaaaccc agcagtgttc 420
taccaacaac ccatcattgg tgggtgcctc ttttagattt cttatgagtt atagttcaat 480
aataaagttt tttatctgat gtttgtggct tcccagaaat aagaaagtac atttct 536

<210> 10733

<211> 566

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-C11

<400> 10733

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tcgtgaagac cctgaccggg ggnacgatgg cccttgaggt ggagtcttca gacaccatcg 180
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 ccaagatcca ggacaaggag ggcattccac cggaccagca gcgcctcatc ttcgccggca 480
 agcagctgga ggatggccgc accctggcgg attacaacat ccagaaggag agcactctcc 540
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<210> 10734

<211> 615

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-C12

<400> 10734

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 gtttcttgta cacagacagg cggctgcagc tgtggtcaac aacaaagcca tgagcgggga 180
 cagcatgggc aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
 cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca tcagcaacaa 300
 caagaagttc atgttcaaca acaacaacaa caaccgcagc accaccacca acaacaacaa 360
 caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcacia 420
 ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480
 caacatcaac aacaattcca gggctcatgac aagcagcaac aaccacaaca gcctcagcaa 540
 tatcagcagg gccaggaaaa atcacaacag caacaatgtc attgccagga gcagcaacag 600
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<210> 10735

<211> 623

<212> DNA

<213> Zea mays

<223> unsure at all n locations
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<400> 10735

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ttttcccgca atgtctcgaa gctcctatag cttecccttct tcccccgta cttctcaccag 180
cgggtgtcttc ggtatgtgaa aacccaattg gggggggggg cgggatccaa caggcaatcg 240
cagctggcat cttaccttta tcacccttgt tctctcaaca atcatcagcc ctattaqaac 300
agttaccttt ggtgcattta ttggcacaaa acatgagggc acaacaacta caacaacttg 360
tgctagcaaa ctttctgtcc tactctgagc aacagcagtt tttttcattc aaccaactag 420
gttcattgaa ctctgtctct tatttgcaac aacaacaact accattcagc cagctacctg 480
ctgcctaccc ccagcaattt ctccattca accaactagc agcattgaac tctcctgctt 540
atttacagca gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct 600
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<210> 10736

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-C4

<400> 10736

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gaagtacctt gccgaactgc tcgcggagag gcagaagctt ggcccgttcg ttccattgat 180
ccncatatt tttggggggg gtggggggga aattttacnt ntttccacac tattnnaaaa 240
cacatacata ataaatcaaa tttnccttna acattttatt ccaactaaca catnattatt 300
atattcaa at nnaccatcta cttacatnaa tntntnnaca tcancatttc aaccantaaa 360
ttcaccanct tatactctnnc ttntatgatc ccannncanc tctcttnac ttattgtcaa 420
caaaacaatt aatgtccatt tcccantana caaatatcca acattcaatt ttcttggccg 480

catccttgggt ccaagaggaa attccttgaa gcggtggag gcaaataccg actgccgtgt 540
gctaataaga ggtcggggca gcatcaaaga tccccacgg gaggaatga tgcgaggaa 600
g 601

<210> 10737
<211> 571
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-C6
<400> 10737

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gcagggcttg tacggcgtg gcgccggcct gaccactatt atgggggtcg tcgggggtga 180
cccctacnch nantacctnn agcancncna atgcaaccg ctggcggcgg cgcctacta 240
cgccgggtgt gggcagccga gcgccatgtt ccagccgctc eggcaacagt gctgccagca 300
gcagatgagg atgatggacg tgcagtccgt gcgcgagcag ctgcagatga tgatgcagct 360
tgagcgtgcc gctgccgcca gcagcagcct gtacgagcca gctctgatgc agcagcagca 420
gcagctgctg gcagcccagg gtctcaaccc catggccatg atgatggcg agaacatgcc 480
ggccatgggt ggactctacc agtaccagct gccagctac cgcaccaacc cctgtggcgt 540
ctccgctgcc attccgccct actactgatt c 571

<210> 10738
<211> 517
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-C7
<400> 10738

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agtgttgcta ccgcaaccat tttcccacaa tgctcacaag ctctatagc tttccccctt 120
ccccatacc tctcaccanc ggtgtctggg atgggtngga cccaattgt tcaaccctac 180

cagatccaac aggcaatcgc aacaggcatc ttaccattat cacccttggt cctccaacaa 240
 ccgtcagccc tattacagca gttacctttg gtccatttgg tggcacaaaa catcagggca 300
 caacaactac aacaacttgt gctagcaaac cttgctgcat actctcagca acatcagttt 360
 cttccattca accaactggc tgcattgaac tctgctgctt atttgcaaca acaattacca 420
 ttcagccagc tagttgctgc ctacccccag caatttcttc cattcaacca actagcagca 480
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<210> 10739
 <211> 100
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-C8

<400> 10739

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<210> 10740
 <211> 275
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-D1

<400> 10740

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 cgtgactcga tgcacaagcg ccgagccacc ggtnggaaag cagaaggcct ggaggaagaa 120
 gcgaaagttg agcttggtcg ccagccagcc aacaccaagt tgtcaagcaa taagaggggg 180
 gggaggggtc gtgttcgtgg aggtaatgtg aaatggaggg ctnttngnct tgatactggg 240
 aactacttat ggggaagtga agctgttacc cgcaa 275

<210> 10741
 <211> 603
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-D11

<400> 10741

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cagaatggaa tttctgagcc agctgccaac aatgctctcc agtatcaaga gcaaaaccct 180
caggggtcgg ggaagtaccc ctgcaggetc aggetccctc aaccatttg ggtccctttt 240
gctgtgggtg ctgggaggcg gtgcttctga tggcatagtt tctttcttct ctatgttcag 300
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gacatagaat catggggatg aaagtgggcc aatgactgaa ctcgagtgtc tgggcggcag 420
cagtctcttt ctaatatgat ataatgccag cacctccctt caaaaggata atgacgaata 480
ttggtggcaa ctatacagac tgggtgcgct ggagatgcca tgtagtatt atctgtttct 540
cactttttta gtagtaggt aaggggtgaag gttgtatcta tattcattac atgtgcacat 600
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<210> 10742

<211> 528

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-D3

<400> 10742

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attttccgc aatgctcgca agtcctata gcttccctt tttcccgta cctctacca 120
gcggtgtctt cggatatgta aaaccggggg gggcgggggt acannatcca acaggcaatc 180
acagctggca tcttaccttt atcacccttg ttcctccaac aatcatcagc cctattacat 240
cagttacctt tgggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt 300
gtgctagcaa accttgctgc ctactctcag caacagcagt ttcttcatt taaccaacta 360
gtgcattga actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct 420
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tatttacagc agcaacaact actaccattc aaccagctaa ctggtgtg 528

<210> 10743
 <211> 586
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-D4

<400> 10743

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 ttngaaagaa caactggaca cattgttata gatgttctag gcgagagggt aaggttggat 180
 gtgggggggg gggatgaatt cnatagtgtg agaaaaagaa tgtctgttat tgtaagggtt 240
 ccggacaaca atgtgaaggt tcttgtgaaa ggtgctgaca catcaatgtt aaacattttg 300
 aaagtagaaa ttgatgatga actttatgat tcgttgcatg ttaaaattag agaagctaca 360
 gaaaatcatt tgtcagccta ttcacagag ggtttacgga ccttagtcat tggttcaaaa 420
 aatctgacag atgcagaatt tagtgaatgg caggaaatgt acgaagaagc tagtacctcc 480
 atgcatgaga gatcagcaaa gctccgtcaa gcagcaggtc tggtagaatg caatctaacc 540
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<210> 10744
 <211> 595
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-D5

<400> 10744

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 cgcaatgctc acaagctcct atagcttccc ttcttcccc atacctctca ccagcgatgt 180
 cttcattttg gtaagatggg ttcttctacc ctacaggatc caacaggcaa tcgcagcagg 240
 catcttacct ttatcacctt tgttcttcca acaatcatca gccctattac agcagttacc 300
 tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac tcgtgctagc 360

aaaccttgct gctactctc agcaacagca gttacctttg gtgcatttgt tggcacaaaa 420
catcagggca caacaactac aacaactcgt gctagcaaac cttgctgcct actctcagca 480
acaacagttt ctgccattca accaactagc tgcattgaac tctgctgctt atttgcagca 540
acaacaacta ctaccattca gccagctagc tgctgcctac ccccggaat ttctt 595

<210> 10745
<211> 283
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-D6
<400> 10745

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gttgctacca ttctaccac aggatgtggc aaacaatgtc gccttcttac aacaacaaca 120
attgctgcca tttaaccaac ttgctttgac gaatcctacc accttattgc ancancctc 180
gggtttgggg ggcattctt anatttttt atgtttata ctgtaataat aaagttctca 240
tactgatatg tgcaacttct cagtaataaa agattagaga tct 283

<210> 10746
<211> 586
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-D7
<400> 10746

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gggttgtctg gtcgctctgg cggcgctggc ggccgtggcg gccggagggg acatcgtgca 240
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gcagacctgg atcaacaaaa aagataaaga tgagtttgtt ggtgttggtg ctcgatttgg 360
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ttctgattgc tgcacccctc caagagagaa ggttgctgga gatattttgt tagtggagag 480
 gggaaactgt aagttcacta caaaagctaa ggtggctgaa tctgctggtg cttctgcgat 540
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<210> 10747

<211> 560

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-D8

<400> 10747

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 aggttctgaa gcatttcgaa gacgatatat gattgatgta natagtgagt gctgtgggac 180
 gttnggacaa anctctctgt tcaattgttc aatggagaca caagccaggc agctttccgc 240
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 tgaacaagcg ggatatcata gatctttaga taaaagacat gtgcttggtc atgtagtata 360
 acacaattta gtgtcgttca ttgcaccact ctgcacagtt ttcactggac ctgcacatat 420
 acgaggaatt aattcagaat agctgtccat ctgataatct aaagacaaaa cttagaagaat 480
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<210> 10748

<211> 162

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-E1

<400> 10748

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 cttcagcacc tacggcgagg tcttctatc caatatcatc ct 162

<210> 10749
 <211> 624
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 10749

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tgaagcggcg cgatcaagga gtcttcgggc gctccggacg taacttgctg gcggttgctt   180
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tctgggatct aggtggtcag gttagcctac gaacaatctg ggagaaatac tatgaagagg   480
cccatgccat aatgtacgtt attgacgctg ccacagcatt gtcatttgaa gattccaaat   540
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caaacaaaca ggatttacct ggaa                                           624
  
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<210> 10750
 <211> 95
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-100-Q1-K6-E11

 <400> 10750

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<210> 10751
 <211> 67
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-100-Q1-K6-E12

<400> 10751

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<210> 10752

<211> 233

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-E2

<400> 10752

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tgttctatct tttttttag gccgtnagct atctgttatg gtaatgttgg gggggggggg 180

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<210> 10753

<211> 162

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-E3

<400> 10753

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ttattgctcc gatgatctcc aacagactga tctgcagatc acgcatgtaa ccaggtgctg 120

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<210> 10754

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-E4

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<210> 10755
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-100-Q1-K6-E5
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<210> 10756
 <211> 591
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-E7

<400> 10756

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cccggtcgac ccagcgttct ttggtcgac tgctaacaca aacagggggg aggtgctcct 60
cactagctag ctttctctat ttttgctact gagagtgtcc aagtctgcga cgacgtccga 120
gatgtcgacg gtgagccgtg catcccttga ccagaagctt gccctcgcca agcgtgctc 180
ccgaggtacg aggaacaggg tgtgggtgca gacactcgcc gatcgacatt caggcagcca 240
ataagccgcg cggccttaat taattaaagc tcgaaatgac taacgctatg tatgtatgtg 300
tgtgtgtgtg tgtctgcaga ggcgactctt gccggagcta aggcggcagc agtggcgact 360
atcgctccg cgattcccac cctcgcgagc gtgcggatgc tgccgtgggc caaggccaac 420
atcaacccca ccggccaggc gtcctcgtc tccacgggtg ccgggatggc ctacttcac 480
gccgccgaca agaagatcct gtcgctggcg aggcgccact cgttcgagga agctccggag 540
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<210> 10757
 <211> 499
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-E9

<400> 10757

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gcacctacgt acctacaaca acagttgctg caacaaattg taccagctct nactcagtgg 180
tctgtnnngg aacctnctn cctacttaca acagttgctt ccattcaacc aactggctgt 240
gtcaaactct gctgcgtacc tacaacagcg acaacagtta cttaatccat tggcagtggc 300
taaccattg gtcgctacct tcctgcagca gcaacaacaa ttgctgccat acaaccagtt 360
ctctttgatg aacctgcct tgcagcaacc catcgttgga ggtgccatct tttagattac 420
atatgagatg tactcgacaa tgggtgccctc ataccgacat gtgtttccta gaaataatca 480

```


atatattgat tgagattta

499

<210> 10758

<211> 550

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-F1

<400> 10758

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tctaactcca aaaaccatga agctgggtgct tgtgggttctt gcttttcattg ctttagtattc 120
aagtgtttct tgtacacaga caggcggctg cagctgtggt caacaacaaa tccgtggggg 180
ggggggggcgt ccacaacaac atcatccaca aaaacaacaa catcaaccac caccacaaca 240
tcaccagcag cagcaacacc aacaacaaca agttcacatg caaccacaaa aacatcagca 300
acaacaagaa gttcatgttc aacaacaaca acaacaaccg cggcaccacc accaacaatca 360
acaacaactg caccaacatc aacatcaatg tgaaggccaa caacaacatc accaacaatc 420
acaagggcat gtgcaacaac acgaacagag ccttaagcaa caccaaggga cagagccgtg 480
agcaacaaca tcaacaacaa tttcagggtc atgacaagca gcaacaacca caacagcctc 540
agcaatatca 550

<210> 10759

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-F11

<400> 10759

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ttgctcctag tgccattatt ccacagttcc tccctccagt tacttcaatg ggcttcgaac 180
accagggggg gggagcctac aggtacaac aagcgcttgc ggcgagcgtc ttacaacaac 240
caattgcca attacaacaa caatccttgg cacatctaac catacaaacc atcgcaacgc 300
aacagcaaca acaatttcta ccagcactga gccaaactagc tgtggtgaac cctgtcgctc 360

acttgcaaca gcagttgctt gcatccaacc cacttgctct ggcaaacata gttgcatacc 420
aacaacaaca acaattgcaa cagttttctac cagcgctcag tcaactagcc atggtgaacc 480
ctgccgccta cctacaacag caacaactga tttcatctag ccctctcgct gtggttaatg 540
cacctacata cctgcaacaa cagttgctgc aacagattgt accagctctg actc 594

<210> 10760

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-F12

<400> 10760

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tctaactcca aaaacatga agctgggtgct tgtgggttctt gctttcattg ctttagtattc 120
aagtgtttct tgtacacaga caggctgctg canctntnnn tcagcggcta agctctgggc 180
ancaacatca tccacaacaa catcatccac aaaaacaaca acatcaacca ccaccacaac 240
atcaccagca gcancaacac caacaacaac aagttcacat gcaaccacaa aaacatcanc 300
aacaacaaga agttcatgtt caacaacaac aacaacaacc gcagcaccac caccaacaac 360
aacaacaaca gcaccaacaa caacatcaat gtgaaggcca acaacaacat caccaacaat 420
cacaaggcca tgtgcaacaa cacgaacaga gccatgagca acaccaagga cagagccatg 480
agcaacaaca tcaacaacaa ttccagggtc atgacaagca gcaacaacca caacagcctc 540
agcaatatca gcagggccag gaaaaatcac aacaccaa 578

<210> 10761

<211> 227

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-F2

<400> 10761

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cctggcgctc gctgcgagcg ccgcctccag tacaagcggc ggctgtggct gcgcgacacc 120

accgtttcat ctaccgcctt cgttctatat nccnccctccn ttctgtgggg gggggggggg 180
gcancncan cncnncaat accccactca accaccaaaa ataaacc 227

<210> 10762

<211> 567

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-F3

<400> 10762

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tatccctcct tgcgcttctt gcgctttttg cgagcgcaac aaatgcgtcc attattccac 120
aatgctcact tgctcctagt tccattattc cacagttcct cccaccagtt gggtgagggg 180
gcttcnaaca cccanctntn caagcctata ngctacaaca agcaattgcn gcnagcgtct 240
tacaacaacc aattgccc aa ttgcaacaac aatccttggc acatctaaca atacaaacca 300
tcgcaacgca acagcaacaa cagttcctac cagcaactgag ccacctagcc atggtgaacc 360
ctgtcgcta cttgcaacag cagctgcttg catccaaccc acttgctcta gcaaactag 420
ttgcaaacca gcaacaacaa caactgcaac agtttctgcc agcgcttagt caactagcca 480
tggtgaaccc tgccccctac ctacaacagc aacaactgct ttcacttaac ccgctcgctg 540
tggccaatgc acctacatac ctgcaac 567

<210> 10763

<211> 152

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-F4

<400> 10763

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gcaaaccttg ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca 120
ttgaactctg cttcttattt gcaacaacaa ca 152

<210> 10764

<211> 594
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-F6

<400> 10764

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cgtccttaat ggnatacagt agcaaaatag gggggcggtg gggccaaaaa taatccatcc 60
ttatgctcct tgctctttct gcatgtgttg ctaacgcgac cttttttcct caatactcac 120
aagctcctat agctgccctt cttcccccat accttccatc aatgaccgct ttagtatgtg 180
ggaagcaggc cttcaaccct acaggatcca gcaagcaatc gcaacaagca acttaccttt 240
atcacacctg ttctttcaac aatcgccagc cctatctttg gtgcagtcac tggtaaaaac 300
catcagggca gaacagttgc agcaactcgt gctaccagtg atcagccaag tagctctggc 360
aaacctttcc ccctactctc agcaacaaca atttcttcca ttcaaccaac tgtctatact 420
gaaccctgct gcttatttgc agcaacaaca actactacca ttcagccagc tagctactgc 480
ctactctcag cagcaacaat ttcttccatt taaccaattg gccgcactga acccctctgc 540
ttattttccag cagcaaatac tactaccatt tggccagcta gctacaacaa gccc 594
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<210> 10765
 <211> 614
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-F8

<400> 10765

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ccccggtcga cccagcgtcc ttcacgcct cgcctccgat tcgccggggg cggggctggc 60
gggcgaaaga ggatctcgac ggaggagact ccgaccatcg ctccaggagg ccgcggaactc 120
tgaatccgtc atctccacct tcacctgtcc gcaactgtcag cgggaggttc catcttcaaa 180
cattgcattg cacaggggtc gcnggctcgg aaccttcaga atgcgaacat tgcggagatt 240
ggttgccagg aagcttatgg atgaacacta cgatgaaaac catgctccga tgaattgctc 300
actttgcaaa cacacagtag aacgcgagct atgggatctt catacaggca tacaatgccc 360
acaaaggatg ctgcggtgcc aatactgtca gtttgaactg cctgcagttg atctttttga 420
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acatcaggat ctgtgtggaa atcggacaga atattgtcaa agttgcagga agtatatcag 480
 acttcgtgaa tggattggac atgaactcca gttccatacg attttgaatg ctgcatcaga 540
 actttcaagt gacaggactc gagcagcagc agagcagcca gtaccaaagc cagccccgacc 600
 tgctactggg tcgc 614

<210> 10766

<211> 122

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-G1

<400> 10766

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 caccaccgtt tnatttaccg gcttcgttct atatgcennc tnttttttgt gggggggggg 120
 gg 122

<210> 10767

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-G10

<400> 10767

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 acaagctect atagcttccc ttcttcccc atacctetca ccagcgatgt cttcagtatg 180
 tgaaaatcca attctggtga ccttacagga tccaacaggc aatcgcagca ggcattctac 240
 ctttateacc cttgttctc caacaatcat cagccctatt acagcagtta cttttggtgc 300
 atttattggc aaaaaacatc agggcacaac aactacaaca actcgtgcta gcaaacttg 360
 ctgectactc tcagcaacag cagttacctt tgggtgcat tttggcacia aacatcaggg 420
 cacaacaact acaacaactc gtgctagcaa accttgctgc ctactctcag caacaacagt 480
 ttctgccatt caaccaacta gctgcattga actctgctgc ttatttgcag caacaacaac 540
 tactaccatt cagccagcta gctgctgcct acccccggca attttttcca ttcaaccaac 600

tggcagca

608

<210> 10768
<211> 122
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-G11

<400> 10768

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ggtggtgccc tcttttagat ttcttatgag ttatagttca ataataaagt tttttgtctg 120
ag 122

<210> 10769
<211> 519
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-G2

<400> 10769

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ccgcaatgct cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accancnntt 120
tctggggggg gtgggggggg caattcttca accctacang atccaacang caatcacaac 180
tgacatctta cttttatcac ccttnttcct ccaacaatca tcancctat tacaacantt 240
acctttntn catttattgg nncaaaacat taggggacaa caactacaac atctggggct 300
agcaaaccctt gctggctact tttagcaaca ggaggttggt ccattcaacc aactaggttc 360
attgaactgt ggttggttatt ttgaacaaca acaactacca ttcaggcagc tgcttggtgg 420
ctacccccag gcattttctt ccattcaacc aactagcagg attgaactgt cctgggttatt 480
taccaggagg acaactacta ccattcaacc agctagctg 519

<210> 10770
<211> 541
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-G4

<400> 10770

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ggccccactg gtgactctcg ggctatcact cctctgcgct gtcgcdcggc cgcccgccgc 120
gcagaactgc ggctgtccat ccaaacctat cctncatctt gggttttgac tngggggacn 180
accnactant acttcnncna cnnatacaaa aaaaaaacca tacnctcnn ncnncnncn 240
cancantnnc ncnntngtt ctaacctngc tagcgctcgc accggctcct tcttcaacgg 300
catcaagagc caggccggga gcgggtgcga gggcaagaac ttctacacc ggagctcgtt 360
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gcgcgagatc gccgcctttt tcgcgcacgc cagcgacgag accgggcatt tctgctacat 480
cagcgagatc aacaagagca acgcctactg cgacccgacc aaaaagcagt ggcccggtgcc 540
c 541

<210> 10771

<211> 382

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-G5

<400> 10771

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ncaccaacgn ncnngcgggg gggggggggc caanncnca acccnacang anccaacagg 120
caaacaaaaa aagcacccca ccnnnancac cnngggnccn ccaacaagca ncagcccgan 180
gacagcagnn acccccgggg caggganggg cacaaaacan cagggcacia caacgacaac 240
aaccgggggc agcaaaccgn gcggccgacg ccagcaaca gcaggnncgg ccagncaacc 300
aaccagccgc agggaacccc gcggccnang ggcaacaaca acaaccacca ggcagccagc 360
cancggccgc ccacccccag ca 382

<210> 10772

<211> 589

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-G6

<400> 10772

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 atactgcaca cattaagctt gtggntgaga atcggggtca acttcntgat aggggggggg 180
 ggccattgat gaagatgagg tgaagactgc tgcagcttat gtgctattct atagaagggt 240
 cagagaacaa gacatagcaa ggggaactag taatggatct cagttatatg caaaaagaag 300
 tcacggatat agccataggt aggctgatga ttactgtggt tcggtgcaag ggggattctg 360
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 ctcatcacgt gcagtcaatg caccgttgct cagttgtcac agaagatatt tcgtgcagtg 480
 ctggtacaag atgggaattt tgtatgagggt gagttgaagg agtaattgac tctttatgat 540
 aactgggtag cttcaacagg aacgccgggg cttgggtggca ttttgttcg 589

<210> 10773
 <211> 596
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-G7

<400> 10773

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 acaactagcg cttgcggcga gcgccttaca acaaccaatt gcccaattgc aacaacaatc 180
 ctggggcgga tgtaacccta caaacattg caacgcaaca acaacaacaa caacagtttc 240
 tgccatcaat gagccaccta gccgtggtga accctgtcac ctacttgcaa cagcagctgc 300
 ttgcatccaa cccacttgct ctggcgaaac tagctgcata ccagcaacaa caacagctgc 360
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tgcaacaaat tgtaccagct ctgactcagc tagctgtggc aaacctgct gcctacttac 540
aacagttgct tccattcaac caactggctg tgtcaaactc tgctgcgtac ctacaa 596

<210> 10774

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-G8

<400> 10774

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gtcctcttct tcccgctcgt tcgccgtgcc gcacctgcga ggagaggaga cttcgccgcg 120
aagctcacca tgatctcgcc ggagaggagc tcgtcacaga gccagcggtc ggcgggcg 180
ggggcgccgt tcctgtcgat ctccgtcacg gatcccgtaa agatgggtac cggcgtgcag 240
tcctacatct cctaccgct catcaccaag accaacctcc ctgaatttga gggaccagag 300
aaaattgtta ttcggcgcta tagtgatttt gaatggttgc atgatcggct tgctgagagg 360
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agcaaggagt tcattgaatt gggcgctcaa gctctggatt tattcgttaa caggatagct 480
tcacaccctg aactcaagca aagtgatgtc ttgaggacat ttttgcaagc agatgaagag 540
ataatggata gggcaagatc ttatgagact ggtattttta agaaaccggc agatttcata 600
c 601

<210> 10775

<211> 345

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-G9

<400> 10775

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ccggcgcccc cccgaccacc agatggggcg gggggggggn acccncacnc ggagnacccg 120
aggcagccaa aaagcaaccc gccggcgggc gcgcccacn acgccgggng ngggcagccg 180

agcgccangg nccagccgcn ccggcaacag ngcngccagc agcagaagag gaagaaggac 240
 gngcagnccg gcgcgcagca gcnngcagag aagaagcagc nngagcgn gcngccgccc 300
 agcagcagcc cggacgagcc agcncngag cagcagcagc agcag 345

<210> 10776

<211> 617

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-H11

<400> 10776

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 gtgtagtagt ttaggagtta tgatttttcc aagtccagtc tcagaatctg tccaaattct 120
 gtacagggtt cgaaaattgg attgcttggc taagctaaac tgagaatcag cccttantaa 180
 ttatggggga gtggtagtag ttttcttaag ctttccaaca aattttggag cacccttttt 240
 ggtggtctag atatcaagtt acagctgttt gaactataga gtctgaattt gtccaaattt 300
 ggacagecga gtctgtttgt agtaactgac tttgatatgt attgaattaa cctgagatgt 360
 ttataaatga attgtagaca attctattaa ctttctaaaa agtctaggat cacctgattt 420
 ggatttcgga aactccagtt ctggactttt gaagtaagta gtcgaattct gtccaaatct 480
 ggacataatt tatgttttagc gctgtttgac ctttgtaaag gtcgaatttt gttgtgatgg 540
 taatacaaaa gttatagagg actttataag ctttccaaaa agttctagtt tactattatt 600
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<210> 10777

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-H12

<400> 10777

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 gcagcaccta cggctctccc tgcgcactac tttgaaaccg tggatcaccg cactggcgca 120

tcccgtagct tcaacgttat cgacgggggc ctgcccga acaatccgat cgtttggann 180
caggagnaca aggagtccc cgagaccaag cccctggact accacaggta cctggtagtg 240
tcactaggca caggccttcc agagcaggac atcaagtctg acgcgtgccg tgtcgccaag 300
tggggcatct tcggatggct cggccgggag aacaccgtgc ccttgctgca gatgttcatg 360
cacgcgagct cagacatgac ggacagctac gtcgccgacc ttttcaaagc gatcgggtgc 420
tcggaccaac tgctgcgtgt tcaggaccgc aacataccca tagcggctgt ggcagctgac 480
ctctcgacgg agaagaatct gcgagggtg gttaagattg cagagaacct tctgcataag 540
ccactaggcg acgacgatta taagaccgac gactgcg 577

<210> 10778

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-H2

<400> 10778

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gctctttcag catagcgtg gtacctaaac tattattcca caatgctcac aacattactc 120
tgctttccga gtgacagcac gcggacagtt caatacccac ctatacaata actacatgtg 180
gggagggggg ggtgcaaaca accatattac ggaccttagc cttaacccta gaacaaccat 240
atgctctatt gcaacatcca tacttaatgc atttgcatat ccaaagaaca aggcacaaca 300
actacaacaa cacatagtac caacaatcaa ttaagtaatc taagcaaacc ttactgttta 360
cettacatca acaacagatt ttttcattta ataaactatc tgtggtgaac cctgatatct 420
acttgcaggc ccaacacata ctacacatct aaccaacttg tctgaagcac taatgccttc 480
ttactgtaac aacatctttt caacatccca tattgaatct atgtcaaaca ttggtgtttg 540
ctagagacaa caacattccg ttgacattct acccaca 577

<210> 10779

<211> 509

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-H6

<400> 10779

tttcagcttg tattcccaact ctgtgggggg gggggcccgt caaaaaaan acctagaaga 60
aaggagctct ctgcgaagct cttcacggcc gtccctcctcg tcatgctgct gctgctgtcc 120
gcagaggctcg ggccggtggc ggtggcggag gcgcggacgt gccattcgcg gtaccgacag 180
ggccggggcc cctgcctccg ccggtccaac tgcgccaacg tctgcaggac cgaggggttc 240
cccggcggca ggtgccgcgg cttccgcgcg cgtgcttct gcaccacgca ctgccactga 300
ttcgctcgct cgcccagcgg ccggtggcg tcgccgtcga tcgccgtcgcg accagtccat 360
ggctccatgc atgaataaca aggggtgtgcg cggtttgtga tgccaaattg tatcctcctc 420
gtgtgttgaa gcgttcgac gtctgtctag tagtgtgctt ttgagcagcg gcgtgctgtt 480
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<210> 10780

<211> 505

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-H7

<400> 10780

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atcaacccaa tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca 120
ttcaaccaac tntctactct gttccgcnnn cgggttatttn cancaacaac tattaccatt 180
caacaaaaaa aaaactgcct actctcanca acaacaactt cttccattta accaattgnc 240
cccactnaac ccnctnctt atttgcanca ccaaatacta ctaccattta nccanctacc 300
tncancaaac cgtgcttctt tcttgacaca tcaacagttg ctgcctttct accagcagtt 360
tgcggttaac cccgcaacc tcttacaact acaacaattg ttgccctttg tccaactttc 420
tttgacagac cgagcggcct cctaccaaca acacatcatt ggtggtgccc tcttttacat 480
tgctcatcac ttgtaattca ataataat 505

<210> 10781

<211> 516

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-H8

<400> 10781

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ccccctccgg ttcnnttcgt tgtggggagg gtctccaaaa aaaaaattcg tgggtgagcg   60
gatcgagagg cggcgtcgga tggtgagtag cgctgcttcg tcggcggcct cgcttgggcc  120
acggacgacc actccctcca caacgccttc agcacctacc ccnatttcgg ggatgccgag  180
acatcctcna tcnnnaaaacn cannagtcgc ncanattaca cttcatcacc ttctccacnn  240
gagaagcgat gcggaacgcc atcgagggca tgaacggcaa ggagctggac ggccgcaaca  300
tcaccgtcaa cgaggcccag tcccgcggcg gccgtggagg cggcggcggc gccgggtact  360
gtggtggccg tggaggcggc ggctacggcg gtggcggggc ccgtgatggc gccggcggct  420
actgcggtgg cggcggctac cgtggtggcc gggcgggcta ccgtggtggt gccggcggct  480
accgcggtgg caaccgtggc cgcggctacc gcaact                               516

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<210> 10782
 <211> 325
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-H9

<400> 10782

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cccaaaaaaa aaacatnnag gtgttgctcg ttgccctcnc tctcctggct ctcgctgcga   60
gcgccccctc cagcataca agcggcggct gcggctgcca gccaccttct tctttttctc  120
taccncccc tttttttttt ttgttnnccg ggcacctncc ccttcnntn catctcccac  180
caaaaaaaaa aaaaccccc ctttctctcc tnccacnnc nntccatttn ccncccccn  240
ttcatcttcc ncnccaccc ttccactacc ctacttaacc ccccnncct canctcatc  300
cccanccaca ccattcccc tccca                                           325

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<210> 10783
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-A11

<400> 10783

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cctatagctg cccttctttc ttttaccttc catcaacccc tttttttttt tgtaaaacgc 120
anccctncaa ccctacannc tccaacaacc aataaaaaaca aacaacttac ctttatcacc 180
cctntttcttt caacaatcnc canccctatc tttnttccan tcattnttcc aaaccatcan 240
nncacaacan cttcttctac ttttcttacc tntgggtcagc ctagtagctc tggcattttt 300
ttcttctctac tntcagcaac aacaattttc tccattcaac caactgtcta cactgaaccc 360
tgctgcttat ttaccacccc aacatctact acctttcagc ccgctagcta ctggctactc 420
ttcacaacaa caa 433

<210> 10784
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-A2

<400> 10784

ctccgcaaca attaccattc agccagctag ttgctgcta ccccagcaa tttcttccat 60
tcaaccaact agcagcattg aactctgctg cttatttaca gcagcaacaa ctactaccat 120
tcagccagct agctgatgtg agccctgctg cttctttgac acaacaacag ttgttgccgt 180
tctacctgca cgctatgctt aacgctggca ccctcttaca actgcaacaa ttgctgccat 240
tcaaccaact tgctttgaca aaccaacag tgttctacca acaaccatc attggtggtg 300
ccctctttta gattgcttat gagttatagt tcaataatga agtttttttg atgatgtttg 360
tggcgtccca gaaataagaa agtacatttc ta 392

<210> 10785
<211> 259
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-A5

<400> 10785

tttgcggcta actgtggggg gggggacact acaacaattg ttgccctggg tccaacttgc 60

tttgacagac ccagcggcct cctaccaaca acacatcatt ggtggtgccc tcttttagat 120

tgcttattag ttgtaattca ataataaagt tttttntttg tggggaaaga aagggggaaa 180

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaa aaataaaaaa 259

<210> 10786

<211> 533

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-A7

<400> 10786

tggcaaaaaa aaattttggc ggcttatgct ccttgggtctt tctgcaagtg ctgctacggc 60

gaccattttc cgcgaatgct cgcaagctcc tatagettcc cttcttcccc ctttctcttc 120

accancntnt ctttgttttg gaaaggccat tcttcaacc tacanatcca acangcaatc 180

acagctggca tcttaccttt atcacccttg ttctccaac aatcatcanc cctattacat 240

canttacctt tgggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt 300

gtgctagcaa accttgctgc cttctctcag caacagcagt ttcttccatt caaccaacta 360

gctgcattga actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct 420

gctgcctacc cccagcaatt tcttccattc aaccaactgg cagcattgaa ctctcctgct 480

tatttacage agcaaccact actaccattc aaccogcttg ctggtgtgag ccc 533

<210> 10787

<211> 319

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-B1

<400> 10787

ggcagccaaa atattttgcc tccttatgct ccttgggtatt tctgcaagtg ctgctacggc 60

gaccattttc cgcgaatgct cacaagctcc tatagettcc cttcttcccc cgtacctctc 120

accagcggtg tcttcggtat gtgaaaaccc aattcttcaa ccctacagga tccaacaggc 180
 ggtagcagct ggcattctac ctttatcacc cttggctctc caacaatcat cagccctatt 240
 acagcagtta cctttggtgc atttattggc aaaaaacatg agggcacaac aacttcaaca 300
 acttgtgcta gcaagcctt 319

<210> 10788
 <211> 601
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-B10
 <400> 10788

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 ggcagccaaa atttttgctt ctttatgctc cttggctctt ctgcagtgtg gctaccgaac 120
 cattttccca catgctcaca agctctatac tcctttttcc ccctccttac cacggtggtg 180
 ggggtgtgaa aacccaattc ttcaacccta caggatccaa caggcaatcg cagcaggcat 240
 cttaccttta tcacccttgt tcctccaaca accgtcagcc ctattacagc agttaccttt 300
 ggtgcatttg ttggcacaaa acatcaaggc acaacaacta caacaacttg tgctaggaaa 360
 ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactgg ctgcattgaa 420
 ctctgctgct tatttgcaac aacaactacc attcagtcag ctagctgctg cctaccccca 480
 gcaatttctt ccattcaacc aactggcagc attgaactct gctgcttatt tacaacagca 540
 acagctacca ccattcagcc agctagctga tgtgagccct gttgccttct tgacacaaca 600
 a 601

<210> 10789
 <211> 600
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-B11
 <400> 10789

aactagcaac atagnaaagc gcgggggggg gccacaatg gcagccaaaa attgggcgtc 60

cttatgctcc ttggtctttc tgcaagtgct gctacggcga ccattttccc gcaatgctcg 120
 caagctccta tagcttccct ttttcccccg tacctctcac cancggtgtc ggtggttggt 180
 tgggaaaccc aattcttcaa ccctacagga tccaacaggc aatcgagct ggcattctac 240
 ctttatcacc cttgttctc caacaatcat cagccctatt acaacagtta cttttggtgc 300
 atttattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
 ctgcctactc tcagcaacag cagttttctc cattcaacca actaggttca ttgaactctg 420
 cttcttattt gcaacaacaa caactaccat tcagccagct acctgctgac taccctcagc 480
 aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
 aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac 600

<210> 10790
 <211> 468
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-B12

 <400> 10790

cccaacctgt ggtctgctgc ctgcctgcct gcctgcctgc aaaaagagtt tgtcatggcg 60
 tctaagcgca tctcaagga gctgaaggac ctgcatatag accccccac atcatccatt 120
 gctgtttctg ctaggggna catntttcat tnncaacaa caattatggg accacctaac 180
 antccctatg ctgggtggtg tttcttagtg aacattcatt tcccgccaga ttacccttc 240
 aaacctcaa aggtttctt caagacaaag gtcttccatc ctaatatcaa cagcaatgga 300
 agtatatgcc ttgacattct caaagagcag tggagccctg ctttgacaat ttctaaggct 360
 ctgctctcca tctgctccct gctgaccgac cccaaccgag acgaccctct tgtcccgag 420
 attgccaca tgtacaagac ggaccggccg aattaccagt cgacggcc 468

<210> 10791
 <211> 574
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-B4

<400> 10791

tcttcataacc atcaacatgt ggagggggga gtataagcac caaatcaaat gtgcaacatc 60
aattatctaa ctccaaaaac catgaagctg gtgcttgtgg ttcttgcttt cattgcttta 120
gtatcaagtg tttcttgtac acagacaggc ngctncanct tttttgggga tcgaaggggg 180
nancancaac atcatccaca acaacatcat ccacaaaaac aacaacatca accaccacca 240
caacatcacc agcagcagca acaccaacaa caacaagttc acatgcaacc aaaaaacat 300
cagcaacaac aagaagttca tggttcaacaa caacaacaac aaccgcagca ccaccaccaa 360
caacaacaac aacagcacca acaacaacat caatgtgaag gccacaaca acatcaccaa 420
caatcacaag gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc 480
catgagcaac aacatcaaca acaattccag ggcatgaca agcagcaaca accacaacaa 540
cctcagcaat atcagcaggg ccaggaaaaa tcac 574

<210> 10792

<211> 531

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-B5

<400> 10792

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agactcaagt gatgagagca accgtgaata tgaaagcggg tctgaagaag aacgtacaaa 120
gaaggggggt gcgggcggga anaaagcatc acagacactc ttcaatgtca gactctgaag 180
acaacagtga tgaggatgag cggagatctg ccaaggacca ttctcagccc cgcagacgcc 240
accatcagtc ttctgatgat ggctcggaca aggtcaggtt gagacatggg aagcgtctga 300
gatcaagtga cgagaatgct cggccagatt ccaacagcca taagcatctc aggagccaat 360
ccttgaggga gtcacagat gatagagatg atgatggacc agagaagata agaaatggca 420
aaaggatatca caagaatcat caccgtcacc accaccatca tcgtcaccat cggcaccacc 480
atgaaagaca taataactca gcagaaccta atgacaggag gcaagtactg a 531

<210> 10793

<211> 589
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-101-Q1-K6-B6

 <400> 10793

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 cactggtgca actatggtgt ctacttttgc ggacatggaa ggtgaagaaa cattcgattc 120
 atcattcctt ggccatgctg atgaagttgt ggaggaaaga attgctgacg atgatgttat 180
 tgggttgagg gcgcaaagaa caccagcgcg gtctctataa tacttagggg cgcaaatgaic 240
 tacatgcttg atgagattga acggtccttg catgatgcc tgtgcattgt gaagagaacc 300
 ctggaatcaa atatggttgt tgctgggggt ggtgcagttg aagctgcgct gtcagtttat 360
 ctggagaacc ttgcaacaac cctgggttct cggaacaat tggcaattgc tgaatttgct 420
 gagtctttgt taatcatacc aaaggtacta tctgttaatg ctgcaaaaga tgcaactgag 480
 cttgtagcaa agcttagggc atatcatcat actgctcaaa caaaggccga caagcaacat 540
 tattcaagta tgggccttga cctctctaag ggtatcattc gcaacaacc 589

<210> 10794
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-B7

 <400> 10794

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 atgctgtaaa ggcttctgct tgggtgttt ctgctattgc caaaacaaac caacaactgc 120
 tttcttcaan agatnaanaa aatatggttc tttgtacntn gggcacaanc tctanattcc 180
 caaccaann anttaaaatc ctgacccat tcaatcnntc ataccannga acccataaat 240
 attaccanng atnatangtt ttctcaatac ccccaactgg aagaccatgc cctactgtt 300
 ataaggaatg gggcaattaa cagttcatgg agagcctctc atcaaactaa catgtatggt 360
 gogtcaaatz gcgactttgg tcccgtgagg tcttcatttg cccagcacc tgctgaacct 420
 acagctggat ctttttcaac at 442

<210> 10795
 <211> 327
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-B9

<400> 10795

 acacccancn gngcaagccn anaggcgaca acaagcaann gcggcgagcg ncnnaaca 60
 accaannncc caggngcaac aacaanccnn ggacancna acaanacaaa ccancgcaac 120
 gcaacagcaa caacaanncc naccagcacg gagccaccna gccangggga acccngccgc 180
 cnacccgcaa cagcaggngc nngcancaaa cccacnngcn cnggcaaacg nagnngcaaa 240
 ccagccacaa caacagcngc aacagnnncn gccagcgcnc agncaacnag ccaaggngaa 300
 cccngccgcc naccnacaac agcaaca 327

<210> 10796
 <211> 542
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-101-Q1-K6-C1

<400> 10796

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 ctggcaaacc tttctcccta ctctcagcaa caacaatttc ttccattcaa ccaactgtct 120
 aactgaacc ctgctgctta tttgcagcaa caactattac cattcagcca gctagctact 180
 ggctactctc agcaacaaca actttttcca ttttaaccaat tggccgcact gaaccccgct 240
 gcttatttgc agcagcaaat actactacca tttagccagc tagctgcagc aaaccgtgct 300
 tcctttctga cacagcaaca gttgctgcct ttctaccagc agtttgcggc taaccccgca 360
 accctettac aactacaaca attgttgccc tttgtccaac ttgctttgac agaccgagcg 420
 ggctectacc aacaacacat cattgggtggc gccctctttt agattgctta ttagttgtaa 480
 ttcaataata aagttttttg ggatgatgta tgtggccaac ccggataaaa aacatccacc 540
 ct 542

<210> 10797
 <211> 589
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-C10

 <400> 10797

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cgtccggcaa cataggaagt cggaggaggg gaccaacaaa aacaccaa at tgttgctcc 60
ttagctcctt ggtctttctg caatgctgct acggcgacca ttttcccat gctcaaactc 120
ctatactccc ttcttccctt accctcacca cgtgtgttgg tgggtgaaaa cccaattctt 180
caaccctata ngatccaaca ggcaatcgca gctggcatct tacctttatc acccttgtnt 240
cctccaacaa tcatcagccc tattacagca gntacatttg gtgcatttat tggcacaaaa 300
catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct actctcagca 360
acaacagttt cttccattca accaactagc tgcattgaac tctgcttctt atttgcaaca 420
acaacaacta ccattcagcc agctatctgc tgctacccc cagcaatttc ttccattcaa 480
ccaactgaca gctttgaact ctctgctta tttacagcag caacaactac taccattcag 540
ccagctagct ggggtgtgagc cctgctacct ttcttgacac aaccacaaa 589
  
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<210> 10798
 <211> 291
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-C11

 <400> 10798

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gcgaacggct tttttttttt tttttttatg aatttttttt ggggtggggga attttttaaa 60
ataagtttgg gggttccan aataagaaat acattttctag attcttataa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa attttttaaa aaaaaaaaaa 180
aaaaattttt gtttttgaaa agggaaaaaa naaaaaaaa aaaaaaaaaa annnnnaaaa 240
aaaaaaaaaa acaccccacc aacccccccc accnccccac nccccccaca c 291
  
```

<210> 10799

<211> 619
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-C12

 <400> 10799

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tgactatctt actaacatat atgtgcgttt gaaccgcaaa cggttcaaag ggcgtactgg   60
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ggatgatggc ccatttacac cattctttac tgaagttctt tatcaaaatt tgcggaaggt   180
gtcaagtaat tctgaggaga gcatccactt ttgcaagttc cttccacaa ctggcgagag   240
agatgagcgt gttgagcaaa gtgtaaagag gatggtgacc ataattgatc ttgcacgtaa   300
tattcgtgag cggcataaca aagctctcaa aacaccactc aaggaaatgg tggttgtgca   360
tccagacaat gacttccttg aagacatcac tggcaaacta aaggagtatg tcatggagga   420
aatcaatgtt aagaatgtca ctccatgtaa tgacccttg atgtatgctt ctctgcgagc   480
cgagcctaatt ttcagcgtgc taggaaaaag acttggaataa gacatgggaa aagtatcaaa   540
tgtgggtgaag aagatgactc angagcagat cttagcattt gaaaaaagtg gagaggtttc   600
attcttcggc cattgcttg                                     619
  
```

<210> 10800
 <211> 594
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-C2

 <400> 10800

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gcgaacgggc accgtgtcat ggtcgtctct ccccgctacg accagtacaa ggacgcctgg   120
gacaccagcg tcgtgtccga gatcaagatg ggagacgggt acgagacggt caggttcttc   180
cactgctaca agcgcggagt ggaccgcgtg ttcgttgacc accactgtt cctggagagg   240
gtttggggaa agaccgagga gaagatctac gggcctgtcg ctggaacgga ctacaggagc   300
aaccagctgc ggttcagcct gctatgccag gcagcacttg aagctccaag gatcctgagc   360
  
```

ctcaacaaca acccatactt ctccggacca tacggggagg acgtcgtgtt cgtctgcaac 420
gactggcaca ccggcccttt cttgtgttac ctcaagagca actaccagtc ccacggaatt 480
tacagggaac gcaaagaccg gttttctgcat ccacaacatc tccctaccag ggccgggttc 540
gcctttctcc gactaccgga aactgaacct cccggagaga ttcaagtcgt cctt 594

<210> 10801

<211> 573

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-C3

<400> 10801

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caattgcgcc aattgcgaac aaccatatcc ttgccacatt ctaacaatac aangccattc 120
acaacgcaac atgcaacaac cagttcctac cagcagctgg ggggggcgta ggccatgnng 180
tgaacccttg ccgccttact ttgcaaggag cagcgttgct tgcattccaa acccactttg 240
gcgtctgtgc gaacgtatgt tgctaaacca gtcaacaaca acatgctaca acagtttcnt 300
gccaacgctc agtgcaacta gccatgggtg aaccctgctc ggctacgtac aacaacaaca 360
actggtttga tgtagccgc tcgctgtggg ctatgcacct acatacctgc aacaacaatg 420
gttgacgagc attgtaccag ttttgactca actaggtgtg gcaaaccctg ttggctactt 480
gcaacagttg tttccattca accaactgac tctttogaac tctgctgcgt acctacaaca 540
gggacaacag ttacttaatc cattggtagt ggc 573

<210> 10802

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-C5

<400> 10802

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cttgaagccg gagatcggcc ctgacggcct cgctcgagat tctcccgtaa tcgcctacac 120

cgagaaggtc attttggagg agcagctgca gctgaagaaa tacattcagg gggggctgtg 180
 ggggattcnt natntanaaa aggagttaga gagtcttact ttagaaatga aactgacatc 240
 tggaccaaag aaagcagcac tagagcatct gaggaagaag attgaaatat caacagagaa 300
 aatacgttta gctaagggtga aagaggaaca tgcaaaaaag acttgggaag ttgctgcaca 360
 agttgttaaa gacgaagagg atgctaagca gaaattatgt gatgacctaa accatctagt 420
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 tctaaatccc ataagggtt ctgttaatgt gtcaggtgtt tatactgcac agcatgctac 540
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 <213> Zea mays
 <223> unsure at all n locations
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 gggggcgtgg canctggtga ggcgcttctt ggccgcctcc gagccggccg tgtccgtgca 240
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 <211> 431
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 aatcgccagc cctatctttg gtgcagtcac ttgtacaaaa ccatcaaggc gcatcaggtg 300
 cagcaactat tgctacctgt gacaaaacca atagctcttg gcaaaccgtt gtcctacta 360
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<210> 10805

<211> 262

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D1

<400> 10805

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 gaattcctgc aaaggcatga tcttgatctt atttgtcgtg ctcacatcaagt tgtcgagggt 180
 ggggtatgaat tctttgctga cagacagctt gtcaccatat tctcggtcc caattattgt 240
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<210> 10806

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-D11

<400> 10806

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 tcaatactca caagctccta tagctgcctt tcttccccca taccttccat caatggccgg 180
 ggcagtttgt gaaaaccag cccttcaacc ctacaggctc caacaagcaa tgcgaacaag 240
 caacttacct ttatcaccct tgttctttca acaatcgcca gccctatctt tgggtgcagtc 300
 attggtacaa accatcaggg cacaacagct gcaacaactc gtgctaccag tgatcagcca 360

agtagctctg gcaaaccctt ctcctactc tcagcaacaa caatttcttc cattcaacca 420
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 gctagctact gcctactctc agcagcaaca atttcttcca ttttaaccaat tggccgcact 540
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 aagc 604

<210> 10807
 <211> 176
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D2

<400> 10807
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 tctcgtcgtg tgccctggctc tgacagctgc cagcgccctct gcaatgcaga tgccctgccc 120
 ctgcgcgggg ctgcagggtc tgtacggcgc tggcaccagc ctggcgggcga tgatgg 176

<210> 10808
 <211> 450
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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 catatggctg tggctgacaa atggattgac cttctcaagc aaagtgatga aacttggaag 180
 atgggtgata ttgtgcacac actgacaaat aggaggtggt tagagaagtg tgtaacttat 240
 gctgaaagtc atgatcaagc attagtcggc gacaagacta ttgcgttttg gttgatggac 300
 aaggatatgt atgatttcat ggcctcgtat agaccttcaa ctctaccat tgatcgtggg 360
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<210> 10809
 <211> 605
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D5

<400> 10809

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gcggtctgtg ctgccagaca ccaccgtttc atctaccgcc tccgttctat atgccgcctc 180
cgttctatct gccgcgcgca gcagcagccg cagccatggc aataccccac tcaaccaccg 240
cagctaagcc cgtgccagca gttcggatcc tgcggcgctg gcagcgctcg cagcccgttc 300
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tcgccacagt gccaggcgct gcagcagcag tgctgccacc agatcaggca ggtggagccg 420
ctgcaccggt accaggcgac atacggtgtg gtctgcagc ccttcctgca gcagcagccg 480
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tactg 605
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<210> 10810
 <211> 586
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-D6

<400> 10810

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tgtattotta cctcagatgc ttgtcctgaa actcttcatt ctcaaacaca gtcctctagg 300
aaaaattatg ctgatgcaaa ccgtgtatct gctatcattt tgggaggagg cactggatct 360
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cagctctttc ctctgacaag cacaagagct acgcctgctg tacctgttgg aggatgttac 420
 aggccttattg atatccctat gagtaactgc ttcaacagtg gtataaataa gatattttgtg 480
 atgagtcagt tcaattctac ttcgcttaac cgccatattc atcgtacata ccttgaaggc 540
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<210> 10811

<211> 499

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D7

<400> 10811

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 ttgacaaacc cagcagcgtt ctaccaacaa cccatcattg gtggtgcctt ctttttagatt 420
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<210> 10812

<211> 271

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D8

<400> 10812

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 tttgacaaac ccagcagcct cctaccaaca acacatcatt ggtggtgccc tcttttagag 180
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271

<210> 10813

<211> 570

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-D9

<400> 10813

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ctgctatgcc aggcagcact tgaagctcca aggatcctga gcctcaacaa caaccatac 180

tggtgctggac catacgggga ggacgtcgtg ttcgtctgca acgactggca caccggccct 240

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ctgaacctcc cggagagatt caagtcgtcc ttcgatttca tcgacggcta cgagaagccc 420

gtggaaggcc ggaagatcaa ctggatgaag gccgggatcc tcaaggccga cagggtcctc 480

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aacaacatat gcgcctcacc ggcattcaccg 570

<210> 10814

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-E1

<400> 10814

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cctcccgcag ccgccgcaca gatggcacc aaggcggaga agaagccggc ggccaagaag 120

cccgcggagg aggagccgc gacagagaag gtggagaagg ctccggcggg gaagaagccc 180

aaggccgaga agcgctccc ggccgggcaag tccaaggagg gcggcgaggg caagaagggg 240

aaaaagaagg cgaagaagtc cgtggagacc tacaagatct acatcttcaa ggtgctcgaa 300

gcaggtgcac cccttcatcg gcatctcttc caaggccatt tccatcatca actgcttcat 360
 caacgacatt ttctgtaagc tggcggggcga gtgcgtcaag ctggctcgct tcaacaagta 420
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<210> 10815

<211> 512

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-E10

<400> 10815

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 gagcgtgccg ccgaatcgaa gcgacctctc ctctaaacag ccgtcctgta tatcttctcc 420
 gtgtatcaaa atccaccctt ttgctttaga tttttgtaca tttgtaatcg tcacatccgc 480
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<210> 10816

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-E2

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 tcttgatgct gatgtgacag acagtgttat tggatgaagga tgtgttatta aaaactgcga 180
 gagaaaccat tctgtagttg gactccgac ttgcatatct gaaggtgcta tcatagagga 240

cagtttacta atgggtgctg actactatga gacagaagct gataaaaaac tccttgccga 300
 aaaaggtggc attcctattg gtattgggaa aaattatgca tcaggagagc aatcattgac 360
 aagaatgctc gaattggaga caatgttaag atactcaatg ctgacaatgt tcaagaagct 420
 gcaatggaga cagacgggta cttcatcaaa ggtggaattg tcacagtgat caaggatgct 480
 ttactcccta gtggaacagt tatatgaagt gaacgtgcca catgcagctg tgtgtctcga 540
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<210> 10817

<211> 610

<212> DNA

<213> Zea mays

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<400> 10817

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 cattattcca cagttcctcc ctccagttac ttcaatgggc ttggaacacc cagctgtgca 180
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<210> 10818

<211> 506

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-E5

<400> 10818

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 gggatcacgc acagcgtccc gttcgccgag atcaacaagg cgttcgacct gatggccaag 240
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 tctggcctgg gcttgggggt aataaaagag gcaatgctag cctgcccttt cgatgaggag 360
 gtacatacac gctggcgatg gaccgcgctt gtgtgtcgcg ttcagtttgg cttttgccaa 420
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<210> 10819
 <211> 129
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-K6-E6
 <400> 10819

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 ccgcaccaa 129

<210> 10820
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 10820

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 caatgtcac aagctcctat agcttccctt cttcccccat accttccatc aattataggt 180
 ggggggtgtg aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc 240
 aacatacctt tategccctt gttgtttcaa caatcaccag ccctatcttt ggtgcagtca 300

ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctgt gatcaaccaa 360
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<210> 10821
 <211> 378
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-E8
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<210> 10822
 <211> 596
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-K6-F10
 <400> 10822

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<210> 10823

<211> 571

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 10823

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 gtactatctt ggccctgctc ctttgcagga tatggcaagg caaattgcta cagccaatgg 180
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 cctgtccgcy cttccagaag gcaccgttgt ggactcgaga tagcgagagc cttggacgtt 420
 ggacctctac tcggaatcta cttccagctc ttgcatgttt gtggccatca tgtactgatt 480
 ttcccttttc aacagttgtc gtgaggctgt atctttctgga gttaaaaaaa tgctaaaagc 540
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<210> 10824

<211> 286

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-F2

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gcaaaccagc aacaacaaca gctacaacag tttctgccaa cgctcagtca actagccatg 180
 gtgaaccctg ccgcctacgt acaacagcgg gggggggggg ggatctagcc cgctcgctgt 240
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<210> 10825

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-F3

<400> 10825

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<210> 10826

<211> 481

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-F5

<400> 10826

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 agcacaacaa ctacaacaac agttgcttcc aacaatcaat caagtagttg cagcgaacct 360
 tgctgcttac ctccagcaac aacaattttct tccattcaat caactagctg gggatgaaccc 420
 tgctgcttac ttgcaggcac aacagctact accattcaac caacttgtca ggagccctgc 480
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<210> 10827

<211> 596

<212> DNA

<213> Zea mays .

<223> Clone ID: LIB3061-101-Q1-K6-F6

<400> 10827

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 cccttttagat aatcagaagt cagaaccaga tatgatacta cacaagtcgt gccttatata 120
 cctggaatta ttactacat acacatacac atacactaca gtgaagcagc atgtacacat 180
 gagctgattc accgtctcca acacacgctg gggcgacaga caagtacgta cctatgcccc 240
 ccttattaac cacttacacg accccacaat acaattttca agctagtagt cctctggcgc 300
 gagcggctgg tgcgcgtggg gcacggcggc gtcggcggac gggataacca ggtactcgta 360
 caccagccct gcaagcccg gcccaggaa agggcccagc cagtacaccc agtgggtgct 420
 ccaccgccac ccgacgagcg ccgggccgaa gaccgcgcc gggttcatcc ctgcgccgtc 480
 gaagggccct cccgccagca cgttggcgcc gagcaggaag cccacggcca gcggcgcgat 540
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<210> 10828

<211> 310

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-F7

<400> 10828

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 caaggtatt taatctccaa ctgcatcccc agatattcac caaattctgt gagactggga 120

actccgggat tggtttggat aagggtgttct gggaatgggg aaccaatgcc caaacgggac 180
 cctttttttt tggggggggg gggcctcccc ccttccatct tcgcttatgg ttgcctaaga 240
 agacgatcgc tactctgact tgaagaagtt ggacaagcca tggcctgagg tgaactcgcg 300
 taaaccact 310

<210> 10829

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-G1

<400> 10829

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 caatgtcac aagctcctat agcttccctt cttcccccat accttccatc aattatagct 180
 gcaatatgtg aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc 240
 aacatacctt tategccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca 300
 ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctct gatcaaccaa 360
 gtagctctgg caaaccttcc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
 ctgtctacac tgaacctgc tgcttatttg cagcaacaac tattaccatt tagccagcta 480
 gctactgcct actctcagca acaacaactt cttccattta accaattggc cgcactgaac 540
 cccgctgctt atttgcagca gcaaatacta ctaccattta gccagct 587

<210> 10830

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-G10

<400> 10830

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 attataccac agttcctccg accagttact tcaatgggct tcgaacacct agctgtgcaa 120

gcctacaagc tacaacaagc gcttgccggc agcgtcttac aacaaccaat taaccaattg 180
caacaacaat ccttgccgca tctaaccata caaaccatcg caacacaaca gcaacaacag 240
ttcctaccag cactgagcca actagatgtg gtgaaccctg tcgcctactt gcaacagcag 300
gtgcttgcac ccaaccact tgcctcggca aacgtagctg cataccaaca acaacaacaa 360
ttgcaacagt ttctgccagc gctcagtcaa ctagccatgg tgaaccctgc cgcctaccta 420
caacagcaac aactgctttc atctagccct ctcggtgtgg gtaatgcacc tacatacctg 480
caacaacaat tgctgcaaca gattgtacca gctctgactc agctagctgg ggcaaaccct 540
gctgcctact tgcaacagct gctttcattc aaccaactga ctgtgtcgaa ctctgctgcg 600
tacctacaac 610

<210> 10831
<211> 545
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-101-Q1-K6-G11
<400> 10831

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gcacagatca tgttcaagtc aaccaaggtt ctaccgggtga tggatgatggg agccttcctc 120
cctgggtctga ggcgcaagta cgcgttccaa gagtacgtgt cggcctgatg gctgggggtg 180
ggcctcctac tcttcacgct cgcggacgcg cagacgtcgc ccaacttcag catggccggc 240
gtggccatgg tgcctggggc gctcgtcatg gatgctttcc ttggcaacct gcaagaagca 300
atcttcaaga tgaaccggga cagactcag atggagatgc tgttctgctc cactgtcgtt 360
ggccttccgt tcttagcggg gcccatgggtg ttaacaggag agctcgtgac ggcttggact 420
tctgtctccc agcatctgta cgtgtacgcg gtgctgggtg tggaggcgat ggccacgttc 480
gtcggccagg tctcgtgct ctctctcctc gcgcttttcg gtgcagcaac cacatccatg 540
gtgac 545

<210> 10832
<211> 842
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-G12

<400> 10832

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cccccccccc ccccccgcc cccccccccc ccccccgag cagccccccc cccccccccc 180
gccgcccccc cccgcccccc ccgccccccc cgccccccgc cccaccccc ncccccccn 240
cccccccccc cacaccccg gcccccgccc cgcgggggnc ncnnccccc cccccccccc 300
cccccccccc ccccccaag accacaccca caaaaagaac ccacccccac ccaccccgcc 360
cccccccccc cgaccccccc acgcgggccc ccgccccccc gccccgccc cccccccccc 420
cccccccccc ccccgccacc cccgccccgc ggcgcccccc ccgccccccn cgccccgnc 480
gccccncag ccccgccgc cccacgccc ccaccccccc cccccccacc cccccacccc 540
gcgccacccg cccccccccc accccccccg cccccccac cccccccacc cccccacccc 600
ccacaccccg cagaccccc cccccccccc caaaccccc acgccccccc gacccccac 660
accgcacccc cccgcaaaga accccccccc cccaccccc cccccccacc cccaccgccc 720
cccccccccc cgcccccccc cccgcccccc cccccaccg cccccacccc cccccccccc 780
caccccgccc ccacaccccc ccgcaccccc cccccccccc ccaccccccc ccaccccccc 840
cc 842

<210> 10833
<211> 508
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-G4

<400> 10833

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ccggctacct acaacatctt ctactgnttt catntanccc ttttgggttg ggggggggac 180
cttcttncct ncnnaacaa ttacttcaac aaataaaacc atctctcact cacctanctt 240

tttcaaacc tttctcctac tttcaacanc tnnntccatt ttttttactg actgtgtcga 300
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cattgatcac tgtcttccta cagcatcaac aattgctacc atacatccat ttctctttga 420
tgaacccttc cttgtcgtgg cagcaaccca ttttttgaat gtgccatctt ttagattaca 480
tatgagattt aatttataat ggtgccct 508

<210> 10834

<211> 489

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-G5

<400> 10834

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tgcatccaac ccacttgctc tggcgaacgt agctgcatac cagcaacaac aacagctgca 120
acagtttatg ccagtgtcga gtcaactagc catggtgaac ccttccgtgg gggggggggg 180
gactttcatc tancccnctc ncnntgggca atgcacctac atacctacaa caacagttgc 240
tgcaacaaat tgtaccagct ctgactcagc tagctgtggc aaacccttct gcctacttac 300
aacagttgct tccattcaac caactggctg tgtcaaactc tgetgcgtac ctacaacagc 360
gacaacagtt acttaatcca ttggcagtg ctaaccatt ggtegtacc ttctgcagc 420
agcaacaaca attgctgcca tacaaccagt tctctttgat gaaccctgcc ttgcaacaac 480
ccatcgttg 489

<210> 10835

<211> 592

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-G6

<400> 10835

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tccttgggtc ttctgcaagt gctgctacgg cgaccatttt cccgcaatgc tgcgaagctc 120
ctatagcttc cctttttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaaac 180

ccaatgcttc aaccctacag gatccaacag gcaatcacag ctggcatctt acctttatca 240
cccttggtcc tccaacaatc atcagcccta ttacatcagt tacctttggt gcattttattg 300
gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaacct tgctgcctac 360
tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat 420
ttgcaacaac aacaactacc attcagccag ctacctgctg cctaccccca gcaatttctt 480
ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca acaactacta 540
ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc ac 592

<210> 10836

<211> 579

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-G7

<400> 10836

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tccttgccct ccttgctctt tcagcaagtg ttgctaccgc gactattatt ccacaatgct 120
cacaacaata cctctctcca gtgatagccg cgagatttga ataccatct atacaagggg 180
acaggctaca agaggccatc acagcaagca tcttacggtc gttagcattg accgtccaac 240
aaccatatgc cctattgcaa caaccatcct tagtgaatct gtatctccaa agaatcacag 300
cacaacaact acaacaacgg ttgcttccaa caattaatca agtagttgca gcgaaccttg 360
ctgcttacct tcagcaacaa caatttcttc cattcaatca actagctggg gtgaaccctg 420
ctgcttactt gcaggcacia cagctactac cattcaacca acttgctggg agccctgctg 480
ccatcttatt gcagcaacag ttgctgccat tccgtctaca agttgttgca aacattgctg 540
ctttcttgca acaacaacaa ttgctgccat tttaccac 579

<210> 10837

<211> 156

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-G9

<400> 10837

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atgaagacat ggaagatggg cgggatctgg tagtaggata ttctgatgat ttcaaaaagt 120
ctcgaatggg ttatctttct tcatatgatg attttg 156

<210> 10838

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-H1

<400> 10838

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ccgccccggc ctgagcctca tccccagcca caccatgcc cgtgccaaca gccgcatcca 120
agcccggtgc agctgcaggg gaacctgcgg cgttggcagc accccgatcc tgggccagtg 180
cgtcgaggtc ctgagggggg gggggagccc gacgggcagc ccctactggt cgcctcagtg 240
ccaggcgttg cggcagcagt gttgccagca gctcaggcag ggggagccgg agcaccggga 300
ccaggcgatc ttcg 314

<210> 10839

<211> 615

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-H11

<400> 10839

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aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc aacatacctt 120
tategccctt gttgtttcaa caatcaccag ccctatcttt ggtgcagtca ttggtgcgga 180
gcgggggggc acaacagctg cagcaactcg tgctacctgt gatcaaccaa gtagctctgg 240
caaacctttc tccctactct cagcaacaac aattttcttc attcaaccaa ctgtctacac 300
tgaaccctgc tgcttatttg cagcaacaac tattaccatt tagccagcta gctactgcct 360
actctcagca acaacaactt cttccattta accaattggc cgcactgaac cccgctgctt 420

atttgcagca gcaaatacta ctgccattta gcgagctagc tgcagcaagt cgtgcttcct 480
tcttgacaca gcaacagttg ctgcctttct acaagcagtt tgcgggtaac cccgcaaccc 540
tcttacaact acaacaattg ttgccctttg tccaacttgc tttgacaaac ccagcagcct 600
cctaccaaca acaca 615

<210> 10840

<211> 531

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-H3

<400> 10840

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tgcttcctta tgctccttgg tctttctgca agtgctgcta ccgcaaccat tttcccacaa 120
tgctcacaag ctctatagc ttcttttctt ccccatacc tctcaccagc ggtgtcttcg 180
aggggggaaa acccaattct tcaaccctac aggatccaac aggcaatcgc agcaggcatc 240
ttacctttat caccctggtt cctgcaacaa ccgtgagccc tattacagca ggtacctttg 300
gggcatttgt tggcacaaaa catcaaggcc caacaccttc aacaaccggg gctatgaaac 360
cttgcttcct actctcagca acatgagttt cttccattca accaactggc tgcattgaac 420
tctactgctt attcggcaca acaactacca ttccagcacc tagttgctgc ctactcccca 480
gcaattcttt gcattcaacc aactgggaag cttegaacct ctgctgcctt a 531

<210> 10841

<211> 623

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-H4

<400> 10841

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atcaatgata gcttcagtat gtggaaaacc caattcttca accctatagg atccaacagg 120
caatcgcagc tggcatctta cctttatcac ccttgcttct ccaacaatca tcagccctat 180

tacagcagtt acctttgggg gggggggggg cacaaaacat cagggcacat caactacaac 240
aacttgtgct agcaaactt gctgcctact ctcagcaaca acagtttctt ccattcaacc 300
aactagctgc attgatactc tgcttcttat ttgcaacaac aacaactacc attcagccag 360
ctatctgctg cctaccccca gcaatttctt ccattcaacc aactgacagc tttgaactct 420
cctgcttatt tacagcagca acaactacta ccattcagcc agctagctgg tgtgagccct 480
gctaccttct tgacacaacc acaattgggt gccgttctac cagcaacgct ggcctaacg 540
gctggcacc ttttacaact gcaacaattg gctgtcattc aaccaacttg ctttgacaaa 600
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<210> 10842
<211> 515
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-H6

<400> 10842

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acgcacccct gttaagggtc gcatacagct ggtggttaagc aaccanaga agactggggt 180
gtggtgcttt cttctgcaac tatgacttga gtgacatgcc tcctggaacc aagactttcg 240
tgcggaacaa ggctactctc tccccctctg cttgccttc taatccagtga gaagaaggaa 300
gcaagacttg tgatgttaat tctggtcaca aatcttctca gtcagtttca tgtggaaatg 360
aacctagcga acggggagct cgttctgaat gctgcaacgg tggacagaa tgcaactcaa 420
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atgaatcaaa taagtctagt tctccaggaa ataag 515

<210> 10843
<211> 607
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-H7

<400> 10843

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 gattggtttg gataaggtgt tctgggaatg gggaaccaat gcccaaacgg gacccttggg 180
 gtttagtact ggaaccgccc cgcttccagg ttcgctgatg gttgccttga ggacgatcgc 240
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 acaacattcc tctgcaccga gatcagtaca ggggtgtgagt atgcatgcaa gacaatccca 480
 aagcgaaagc tcatcaccaa ggaggatggt gaggatgtgc gccgtgagat ccagataatg 540
 caccatttgt caggccacaa gaatgttggt tccatcaagg atgtatacga ggatgggcag 600
 gcggtgt 607

<210> 10844
 <211> 100
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-H8
 <400> 10844

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<210> 10845
 <211> 650
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-A10
 <400> 10845

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 cttggctttg acattgagca gatcatatcc aaacaagatc aagcggcctt actggcccat 120
 ttaaccaagg aatcatgcag ccataattga tgtgcaccat tgccaatccc gttgatgttt 180

tgcattggagc tattcacgag gcgtcaacaa tgaaccatta ttgatttgtc cactgttatg 240
 ttctgttctg gtgcaatcat gggatacatt atgttctactg aatctacact ccagttcac 300
 actgaactta ccctaaatc ttgtggcttc caagattgca gtctagacta cggatgatgaa 360
 tccaataacc aaatatcctt ggacttttat tgtagctttt tgtgtgcatt tgttccgata 420
 cttacaatt aacattatat gacaccatag tttctctaata cacatgtaac tccatctagc 480
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 aaaattgtct taaataagca gagttatttg gtttttagtaa tgaatttagc aatgccaatg 600
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<210> 10846
 <211> 650
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-A11

 <400> 10846

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 ccattttccc acaatgctca caagctccta tagcttccct tcttccccca tacctctcac 180
 cagcgggtgtc ttcaatgtgt gaaaccccaa ttgttcaacc ctacaggatc caacaggcaa 240
 togcaacagg catcttacca ttatcaccct tgttcctcca acaaccgtca gccctattac 300
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 ttgtgctagc aaaccttgcg gcatactctc agcaacatca gtttcttcca ttcaaccaac 420
 tggtgtcatt gaactctgct gcttatttgc aacaacaatt accattcagc cagctagtgt 480
 ctgectaccc ccagcaattt ctccattca accaactagc agcattgaac tctgctgctt 540
 atttacagca gcaacaacta ctaccattca gccagctagc tgatgtgagc cctgctgcct 600
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<210> 10847
 <211> 617
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-114-Q6-K6-A4
 <400> 10847

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 ttgctgcagga ggcggcgccg ttggcggagg cgcgcgtgtg ccggcgccgg agcgcgggct 180
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 acgtcggtggc cggtcgctaa atatgtacta ctatacgtct acactacatg caataatgca 420
 ccacatgtac gcgtacgcgc gccgagctgt gtggacgccg cagctagcat gcacggccat 480
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<210> 10848
 <211> 654
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-114-Q6-K6-A5
 <400> 10848

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 aatacctctc tccggtgaca gccgcgggat ttcaataccc aactatacaa tcctacatgg 180
 tacaagaggc catccaagca agcatcttac ggtcattagc attaacctc caacaaccat 240
 atgctctatt gcaacagcca tccttagtgc atctgtatct ccaaagaatc gcggcacaac 300
 aactacaaca acagttgcta ccaacaatca atcaagtagt tgcagcgaac cttgctgctt 360
 acctccagca acaacagttt cttccattca atcaactagc tgggggtgaac cctgctatct 420
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tactgcaaca acagctttctg ccattccatc tgcaagctgt ggcaaacatt gttgctttct 540
 tgagacaaca acatttggtg ccattttacc cacaagttgt gggaaacatt aatgccttct 600
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<210> 10849
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-A6

<400> 10849

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 ctgcaacaat tgctgccatt caaccaactt gctttgacaa actcaacagt gttctaccaa 120
 caacccatca ttggtggtgc cctcttttag attgcttatg agttatagtt caataatgaa 180
 gttttttgga tgatgtttgt ggcgtcccag aaataagaaa gtacatttct agat 234

<210> 10850
 <211> 649
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-A7

<400> 10850

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 cctttatcac ccttgttcct ccaacaaccg tcagccctat tacagcagtt acctttggtg 180
 catttggttg cacaaaacat caaggcacia caactacaac aacttgtgct aggaaacctt 240
 gctgectact ctgagcaaca gcagtttctt ccattcaacc aactggctgc attgaactct 300
 gctgcttatt tgcaacaaca actaccattc agtcagctag ctgctgccta cccccagcaa 360
 tttcttccat tcaaccaact ggcagcattg aactctgctg cttatttaca acagcaacag 420
 ctaccaccat tcagccagct agctgatgtg agccctgttg ccttcttgac acaacaacag 480
 ttgttgccgt tctacctgca cgctgcgcct aacgctggca cctcttaca actgcaacaa 540
 ttgctgcat tcaaccaact tgctttgaca aaccaacag cgttctacca acaacccatc 600

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649

<210> 10851

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-A8

<400> 10851

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tcgaggacat tgtaagtga ttatgtgctg agacgggagc caaccaggag gatgccctcg 120
cgcgaattga aaagctttca gaagtaaacc cgatgcttgg cttccgtggg tgcaggcttg 180
gtatatcgta ccctgaattg acagagatgc aagcccgggc catttttgaa gctgctatag 240
caatgaccaa ccagggtggt caagtgttcc cagagataat ggttcctctt gttggaacac 300
cacaggaact ggggcatcaa gtgactctta tccgccagt tgctgagaaa gtgttcgcca 360
atgtgggcaa gactatcggg taaaaagttg gaacaatgat tgagatcccc agggcagctc 420
tggtggctga tgagatagcg gagcaggctg aattcttctc cttcggaacg aacgacctga 480
cgcagatgac ctttgggtac agcagggatg atgtggggaa gttcattccc gtctatcttg 540
ctcaggcat cctccaacat gaccccttcg aggtcctgga ccagagggga gtgggcgagc 600
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<210> 10852

<211> 327

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-A9

<400> 10852

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ctatgcctaa cgctggcacc ctcttacaac tgcaacaatt gctgccattc aaccaacttg 180
ctttgacaaa ctcaacagtg ttctaccaac aacccatcat tggtgggtgcc ctcttttaga 240
ttgcttatga gttatagttc aataatgaag ttttttggat gatgtttgtg gcgtcccaga 300

aataagaaag tacatttcta gattctt

327

<210> 10853

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-B10

<400> 10853

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acatcaacca ccaccacaac atcaccagca gcagcaacac caacaacaac aagttcacat 120
gcaaccacaa aaacatcagc aacaacaaga agttcatgtt caacaacaac aacaacaacc 180
gcagcaccac caccaatatt aacaacaaca gcaccaacaa caacatcaat gtgaaggcca 240
acaacaacat caccaacaat cacaaggcca tgtgcaacaa cacgaacaga gccatgagca 300
acaccaagga cagagccatg agcaacaaca tcaacaacaa ttccagggtc atgacaagca 360
gcaacaacca caacagcctc agcaatatca gcagggccag gaaaaataca acagcaacaa 420
tgtcattgcc aggagcagca acagactaca aggtgcagct ataactacta tagcagtagc 480
tcaaattctaa aaaattgtca tgaattccta aggcagcagt gcagcccttt ggtaatgcct 540
tttctccaat cacgtttgat acaaccaagt agctgccagg tattgcagca acaatgttgt 600
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<210> 10854

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-B11

<400> 10854

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tgctccttta tgctccttgg tctttctgca agtgctgcta cggcgaccat tttcccacaa 120
tgctcacaag ctcttatagc ttccttctt ccccgctacc tctcaccaac ggtgtcttcg 180
gtatgtgaaa acccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc 240

ttacctttat cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg 300
 gtgcattttat tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
 cttgctgcct actctcagca acagcagttt cttccattca accaactagc tgcattgaac 420
 tctgcttctt atttgcaaca acaacaacta ccattcagcc agctatctgc tgcctacccc 480
 cagcaatttc ttccattcaa ccaactgaca gcattgaact ctcttgctta tttacagcag 540
 caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa 600
 ccacagttgt tgccgttcta ccagcacgct gcgcctaacg ctggcacccct c 651

<210> 10855
 <211> 631
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-B12

<400> 10855

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 gcggcgagcg ccttacaaca accaattgcc caattgcaac aacaatcctt ggcgagcagta 180
 accctactaa ccattgcaac gcaacaacaa caacaacaac agtttctgcc atcactgagc 240
 cacctagccg tgggtgaacc tgctacctac ttgcaacagc agctgcttgc atccaacca 300
 cttgctctgg cgaacgtagc tgcataccag caacaacaac agctgcaaca gtttatgcc 360
 gtgctcagtc aactagccat ggtgaaccct gccgtctacc tacaactact ttcacttagc 420
 ccgctcgcg tgggcaatgc acctacgtac ctacaacaac agttgctgca acaaattgta 480
 ccagctctga ctcagctagc tgtggcaaac cctgctgctt acttacaaca gttgcttcca 540
 ttcaaccaac tggctgtgtc aaactctgct gcgtacctac aacagcgaca acagttactt 600
 aatccattgg cagtggctaa cccattggct g 631

<210> 10856
 <211> 548
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-B2

<400> 10856

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atcctccgtc tgatggagga cccggacaag cgcgaccagg ttcggcgga gcatgtctac 120
aagatgaagg agcgggtgca ggcactaag gcggcggtga gcttccctct gcgcccctac 180
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gccgccggcc gncgggaccc ctacgacgac ctcatcgccc gccactctgg ctcgccgncg 300
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aactacccta tttcctgttc cagtttggca tggaagtata agttgtgtac ttctattctc 480
aagttgttgt ctttgtatta tgaaatgttt ccaataatca gcagtttttg atgtatggtc 540
gtggatcc 548

<210> 10857

<211> 83

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-B3

<400> 10857

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agaaataaga aagtcatttc tag 83

<210> 10858

<211> 507

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-B4

<400> 10858

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actccacctc gccggcggtg gactgggggtg acgactccgc gggggagatg gactctgagg 120
acgcagcgcc ttctctctcc atgggcatca gcacgcccac tggcagcatg atggaggtcg 180

acgccgacga cgcgcaaccc agtccgcctc ccgacgccga cttcttcaac gccttccccg 240
acgacttcga cgaccaagac ctcgactgat tgccgccgcc gcttctttgc tcgcccggac 300
cccttccgcc agttgggagt cgtatacgaa cctacctact tccaaggaag caccagtcac 360
ccatcacctt gtacatgttt ttatgttgca gcactagtgg tgtttaattg tcagctgcga 420
tcatgtgaga accgacctg ctacattatg tatataagaa gaataagaac ctgttaactt 480
atatggtata gtatgtaagt tcatggc 507

<210> 10859
<211> 658
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-B5
<400> 10859

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cgtggccgtc tgccaaggcg aggtcgagcg gcagaggctc agggacctgc agtgcctggca 180
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cgccggcgtc ggccggcccg tccggtgggg caccgggctc cggatgcggt gctgccagca 300
gctccaggac gtgagcccg agtgccgctg ccgcccatc cggagcatgg tcaggggcta 360
cgaggaggcc atgccgcctc tggagaaagg ctggtggcca tgggggcggc agcagcagcc 420
gccgccgag ggaggaggag gaggacaggg gggctactac taccctgca gccgggcagg 480
agagggatac caaacgcaga tgtatccacc gtgtcgtccc ggcaccaccg ggccaaggat 540
cgcccgctg aggccttacga aggcccgga gtacgcccg gngttgccga tgatgtgccg 600
gctgtcggag cccagaggt gcagcatctt ctccggcggc gaccagtact agctacca 658

<210> 10860
<211> 642
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-B6

<400> 10860

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caagctccta tagcttccct tcttcccccg tacctctcac cagcgggtgc ttcgggtatgt 180
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ttattggcac aaaacatcag ggcaacaaca ctacaacaac ttgtgctagc aaaccttgct 360
gcctactctc agcaacagca gtttcttcca ttcaaccaac taggttcatt gaactctgct 420
tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta cccccagcaa 480
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ctactaccat tcagccagct agctgggtgtg agccctgcta cttctctgac acaaccacag 600
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<210> 10861

<211> 181

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-B8

<400> 10861

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gcaattttacg tggacagggg gaacgataaa gaggttggtt ggagtggatn aggtgggtac 120
tggaatgtgt tgtcagcgac gggaccatgt agactgatgt ggtgtgggga ttgatggaat 180
t 181

<210> 10862

<211> 632

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-B9

<400> 10862

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ctggcatctt acctttatca cccttggtcc tccaacaatc atcagcccta ttacaacagt 180
tacctttggt gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc 240
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cattgaactc tgcttcttat ttgcaacaac aacaactacc attcagccag ctacctgtgc 360
cctacccccca gcaatttctt ccattcaacc aactagcagc attgaactct cctgcttatt 420
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tgacacaacc acagttgttg ccgttctacc agcacgttgc gcctaacgct ggcaccctct 540
tacaactgca acaattgctg ccattcaacc aacttgcttt gacaaacca gcagtgttct 600
accaacaacc catcattggt ggtgccctct tt 632

<210> 10863

<211> 434

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C1

<400> 10863

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ggggggggnnn gggggngggg gggngggggg gngggggggg gggggggggg gggggggggg 120
gggggggggg gggggggggn nngggggggg gggnggggnn gngggggggg nggggggggg 180
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<210> 10864

<211> 613

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-C10

<400> 10864

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gctcctatag cttcccttct tccccatac ctctcaccag cgatgtcttc agtatgtgaa 180
aatccaattc ttctacccta caggatccaa caggcaatcg cagcaggcat cttaccttta 240
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ttggcacaaa acatcagggc acaacaacta caacaactcg tgctagcaaa ccttgctgcc 360
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ccattcaacc aactagctgc attgaactct gctgcttatt tgcagnaaca acaactacta 540
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gcattgaact ctg 613

<210> 10865

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C11

<400> 10865

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caatgctcgc aagctcctat agcttccctt cttccccctg acctctcacc agcgggggtg 180
tgggtatgtg aaaacccaat tcttcaacct tacaggatcc aacaggcaat cgcagctggc 240
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ccccagcaat ttcttncatt caaccaacta gcagcattga actctcctgc ttatttacag 540
 cagnaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttnttgaca 600
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<210> 10866

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C12

<400> 10866

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 aatgctcact tgctcctagt gccattattc cacagttcct cccaccagtt acttcaatgg 180
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<210> 10867

<211> 590

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C3

<400> 10867

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<210> 10868
 <211> 660
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-114-Q6-K6-C4
 <400> 10868

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<210> 10869
 <211> 576
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-C5

<400> 10869

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<210> 10870

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C8

<400> 10870

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ccagcaatgt atgttgctat ccaggctgtt ctttcgttgt acgctagtgg gcgaacaact 540
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638

<210> 10871

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-C9

<400> 10871

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attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc 180

ctactctcag caacagcagt ttcttccatt caaccaacta gctgcattga actctgcttc 240

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tcttccattc aaccaactga cagcattgaa ctctcctgct tatttacagc agcaacaact 360

actaccattc agccagctag ctgggtgtgag cctgtctacc ttcttgacac aaccacagtt 420

gttgccgttc taccagcacg ctgcccctaa cgctggcacc ctcttacaac tgcaacaatt 480

gctgccattc aaccaacttg ctttgacaaa cccaacagca ttctaccaac aaccatcat 540

tgggtggtgcc ctctttttaga tttcttatga gttatagttc aataataaag ttttttgtct 600

gatgtttgtg gcttcccaga aataagaaag tcatttct 638

<210> 10872

<211> 557

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D1

<400> 10872

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gggttttagg aagggggcga caccggtatc gccattcgcc agccatggaa tccgcaacgg 120

cggccgtccg cagcgcgtcg ctagcccggg ccgggccgcg gccgctcgtc cacgggcgcg 180

cgcgcggggc gggtcgcgtc gtgggcgctg gcctcgccgc gcgcgcccgg cggagggcgc 240

tcgtcgccgt agcctccac caggagcacc acgagccgnt cccgccgcgc gcgcaggagg 300
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 cggngggttg tgntgaaacc tngtntncct aactggatgn tggaaagaca gtgcgtgttc 420
 gatttgtgct gaaaaggcag tgcacgttng ggcagagcgt ttgtcttgn ggngacgacc 480
 ctgngcttgg actttgggat ctgtngaacg cgtttccttt gaagtgggcg gaaagtcag 540
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<210> 10873

<211> 645

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-D10

<400> 10873

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 aggcaatcca gtggaagaac tactcgtgcg tctgcacctc cgccatcaag tacaaccg 180
 agtggcacaa gagagcccc ggccgagtggt ttatcgtcac tggcgcccag ctctctcga 240
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 gcaccatcca gaggaccgag tggaggaacg ctccggcggc gtctcagaag gggagcttcc 360
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 cgaaacatga gccggcgggtg cagctgaact cagggtgtcta ccccgacgga ccgccggtcc 480
 cgctccggtc caggaagctc ctcaagtctg tcgacatctc ggaggtggta aaaggccac 540
 acgacgtccc gggccactgg ctggtgatcg cggcgaagct tgtgaaggag ggagggaaga 600
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<210> 10874

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-D11

<400> 10874

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 gccaaagcctg tagtttgctc cagccaaacc gacgtggaag tgттаagggc atgagatgta 180
 tacatgtttg tatatggtat ttgggtcttg tatgctagtг ctctagagat aaacctttac 240
 ggatgcgctt tcaatctaga gtctttggca tcttgctcat gaccttaatg taatgattta 300
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<210> 10875

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D12

<400> 10875

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 ggcgcgaaat gaccagggcc gtcaacgacc tggcgaagaa gaagaagatg gcgacactgg 180
 aggaggagga ggtgcagatg cagatgcaga tgccggaggc cgctgatctg gcggcggcgg 240
 cagcggctga cccacaggcc gacacgaaga gcaagctggт gaagctggтg gtcatggтgt 300
 gcgaggggct gcggttcaac accgtgtccc gcacggtgga cgcggggttc aacagccagc 360
 acggggtgac cttgaccgtg acgcagggga agcaggtgca gaagtgggac aggatctcca 420
 aggcggcctt cgagtgggct gaccaccca ccgtgtgat ccccgacatg cagaagcttg 480
 gcatcaagga taagaacgaa gcagcgagga tcgttgcgct cgттаagaat caaactactg 540
 ccgctgccgc tactgtgcc agtgctgaca acgacgacga cgaggcctga tcaatgcaac 600
 gacacatcat gatctgctgc tgcacttaat tactatgttt c 641

<210> 10876

<211> 657

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D2

<400> 10876

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cttccttatg ctcccttggtc tttctgcaag tgttgctacc ganaccattt tcccacaatg 120
ctcacaagct cctatagctt cccttcttcc ccctacacct tcaccagcgg tgtcttcaat 180
gtgtgaaacc ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240
accattatca cccttggttc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
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tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct acccccagca 480
atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 540
actactacca ttcagccagc tagctgatgt gagccctgct gccttcttga cacaacaaca 600
gttggtgccg ttctacctgc acgctatgcc taacgctggc accctnttac aactgca 657

<210> 10877

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D3

<400> 10877

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcacagctg gcatcttacc 240
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tgctactct cagcaacagc agtttcttcc attcaacaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca 480
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actactacca ttcagccagc tagctggtgt gagccctgct accttcttga tacaaccaca 600

gttggtgccc ttctaccagc acgctgcgcc taacgctggc accctt

646

<210> 10878

<211> 259

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D4

<400> 10878

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gggggggggg ggggtgtattt ttttttttat gagagatggg attgtgtaga aagtaaagtt 120

ggagaagggt gtgggtgggt actttgatca gatgaatnta gaaattaagt tgtgggtggg 180

ttgaggttga tgtacatatg tggatatatat aataaattag tagattgttg ggaggagtat 240

tgттаатггт ггтггтггг 259

<210> 10879

<211> 670

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D5

<400> 10879

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caatgctcac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180

tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240

atcttaccat tatcaccctt gttcctccaa caaccgtcag ccctattaca gcagttacct 300

ttggtccatt tgggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360

aaccttgctg catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420

aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgctacccc 480

cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta ttacagcag 540

caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgacacaa 600

caacagttgt tgccgttcta cctgcacgct atgctaacg ctngcacct cttacactgc 660
aacattgctg 670

<210> 10880

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D6

<400> 10880

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tcaacgaggg ccagtcgccg ggcggccgtg gagggggcgg cggcgccggg tacgggtggtg 120
gccgtggagg cggcggttac ggcgggtggc ggcggccgtg tggcgccggc ggctacggcg 180
gtggcgccgg ttactgtggt ggcggcgccg gctacgggtg tggcgccggc ggctacggcg 240
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ggcccgccgg gccaaattat cctgttcgct accgtgttgt ttaccctagt ccagagtgtt 360
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gtgtcagttg ttagtgctgt gttcatcctc ggctccagca gacccatgca tcaaccagca 480
tggactgcgg atcgatgggt gctgntaccc ccgtcaggct ttattctaag ttaaataccta 540
aggaaaaaaaa tggtgcttca aaaaaaaaaa anaatgagag aataaanaaa aaaaaagggg 600
gttcggtt 607

<210> 10881

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D7

<400> 10881

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ggctaccaag atattagccc tccttgcgct tcttgccctt tttgtgagcg caacaaatgc 120
gttcattatt ccacaatgct cacttgctcc tagtgccatt attccacagt tcctcccacc 180

agttacttca atgggcttcg aacacctagc tgtgcaagcc aacatgcaac aacaagcgct 240
 tgcggcgagc gtcttacaac aaccaattgc ccaattgcaa caacaatcct tgccacatct 300
 aacaatacaa gccatcacia cgcaacagca acaacagttc ctaccagcac tgagccacct 360
 agccatggtg aaccctgccg cctacttgca agagcagctg cttgcatcca acccacttgc 420
 tctggcgaac gtagttgcaa accagcaaca acaacagcta caacagtttc tgccaacgct 480
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<210> 10882

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D9

<400> 10882

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 cctatagctt cctttcttcc ccctacctc tcaccagcgg tgtcttcagt atgtgaaaac 180
 ccaattcttc aaccctacag gatccaacag gcaatcgcag caggcatctt acctttatca 240
 cccttggttc tccaacaacc gtcagcccta ttacagcagt tacctttggt gcatttggtg 300
 gcacaaaaca tcaaggcaca acaactacaa caacttggtg taggaaacct tgctgcctac 360
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 ttgcaacaac aactaccatt cagtcagcta gctgctgctt acccccagca atttcttcca 480
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 tca 663

<210> 10883

<211> 659
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-E10

<400> 10883

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cttccatcaa tgaccgcttt agtatgtgaa aaccagccc ttcaacccta caggatccag 180
caagcaatcg caacaagcaa cttaccttta tcacacctgt tctttcaaca atcgccagcc 240
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ctaccagtga tcagccaagt agctctggca aacctttccc cctactctca gcaacaacia 360
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ggccagctag ctacaacaag ccccgcttcc ttcttgacac aacaacaagt gcttccgttc 600
taccagcagt ttgtggctaa ccccgcaacc ctcttacaac tgcaacagtt gctgccctt 659

<210> 10884
<211> 628
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E11

<400> 10884

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<210> 10885
<211> 57
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-E12
<400> 10885

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<210> 10886
<211> 325
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-E2
<400> 10886

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gnggtttttt ttttttnnnn nnntgggggg gggggggggg gttnnnnnnt tnnnnnnnnn 180
gnnnnnngtt nngggggggg tttttttggg gttngggggg gggggggggg nggggggggg 240
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nggggggggg gggggggggg gggggg 325

<210> 10887
<211> 672
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-E3

<400> 10887

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<210> 10888

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E4

<400> 10888

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gcaaaggaga aagatagtgg acgtgatatt gacctagcac tgatcatccg ggaagaagat 480
aaaaagttta cagaaaaaga gaaagaaaag ccaagtgagg acagttagca agagattctt 540

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<210> 10889

<211> 398

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-E5

<400> 10889

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ananaanttt tttttttttt ttttttgttg tagggnaaaa aggagggggg aggggggggga 180

aagtgagaat gtatgaatnn nnaaaggag nnggggggta tgggagaggg tggggggggg 240

ggaggttttag gggggggagg agagaggag atagaaggaa agggggagga gaaggtttgt 300

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<210> 10890

<211> 214

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E6

<400> 10890

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<210> 10891

<211> 613

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E7

<400> 10891

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taacgctggc accctcttac aactgcaaca attgctgcca ttcaaccaac ttgctttgac 480
aaaccagca gtgttctacc aacaacccat cattgggtggg gccctctttt agatttctta 540
tgagttatag ttcaataata aagtttttta tctgatgttt gtggcttccc agaaataaga 600
aagtcatttc tag 613

<210> 10892

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E8

<400> 10892

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tgaccgtgga gggaaggcca tccgaccagc tgggcaggag aaacctcact gacagccccg 180
tatttgacgg ccgtggccct gacgccagcc tcgtaggctc cgtacaggga gtcgctacct 240
agatggggca cgtgcgccag ttgtacaccg tctgtgtcca ggagaggccg ctcaagggtc 300
ccacgctcgt caccgaaggc gcgatgacag aagggtcaga cgagtgggag atctacggtg 360
gaactggagt gttcgcgatg gcgagaggcg tcataaggag aacgtttctt gccgacacga 420
gcggcgggaa ctccgacgag cttgccgtgg aggttctctg cccggtgttc cggccggcgg 480
cgtttggctc atcgtcgtca cagccagcag caaaggacat cagctccacc gtcgtcgtca 540
ccaaggctcg agtggtgggt ggagagggag ggtcggcgca ggacatcgcg acgacggagc 600

cgccgaggcg tctgcagagc ctgaccgtcc gcgcggcgt tgc

643

<210> 10893

<211> 631

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E9

<400> 10893

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gtcttcggta tgtgaaaacc caattcttca accctacagg atccaacagg caatcgcagc 120
tggcatctta cctttatcac ccttggtcct ccaacaatca tcagccctat tacaacagtt 180
acctttggtg catttattgg cacaaaacat cagggcacaa caactacaac aacttggtgt 240
agcaaaccct gctgcctact ctcagcaaca gcagtttctt ccattcaacc aactagggtc 300
attgaactct gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc 360
ctacccccag caatttcttc cattcaacca actagcagca ttgaactctc ctgcttattt 420
acagcagcaa caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt 480
gacacaacca cagttgttgc cgttctacca gcacgttgcg cctaacgctg gcacctctt 540
acaactgcaa caattgctgc cattcaacca acttgctttg acaaaccag cagtgttcta 600
ccaacaaccc atcattgggtg gtgccctctt t 631

<210> 10894

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-F1

<400> 10894

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cgctgtctct cgagcatttg gtgataaact cttgaagccg tatgttggtg ctgacctga 180
aatcaaggag gaggtggctg acagctccct cgaattcctc atccttgcta gcgacggact 240

ctgggatgtt gtcactaatg aggaagctgt tgccatggtc aagcctatcc aggacccccca 300
ggaagcagca aacaagcttc tcgaagaagc ttcccgaagg ggaagctccg ataacatcac 360
agttatcatc gtccgcttca tagacggaac taccggtgag aaatcaggcg acgacaaaga 420
gaccaccaac gaccaacact cctagctgtc tcgtgtaggg atccatcgtg ctgtgtgttc 480
ttctggctgt tgtacctgat gctcagagta gacgctggct gctgctccgc aaggaaaactg 540
actccccga ccgcccgttca tgctcctggc tggttggtc gctggccgnc tcgacgggaa 600
cgctgcccga gaatgacgac tggggctggg gttgttggtta cagtatggtc ctt 653

<210> 10895

<211> 639

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-F11

<400> 10895

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gctccttgct ctttctgcat gtgttgctaa cgcgacaatt ttccctcaat gtcacaagc 120
tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag tatgtgaaaa 180
cccagctctt caaccctata ggctccaaca agcaatcgca gcaagcaaca tacctttatc 240
acccttggtt caacaatcgc cagccctatc tttggtgcag tcattggtac aaaccatcaa 300
ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac caagtagctc tggcaaacct 360
ttctccctac tatcagcaac aacaatttct tccattcaac caactatcta cactgaacct 420
tgctgcttat ttgcagcaac aactattacc attcagccag ctagctactg cctactctca 480
tcaacaacaa cttcttccat ttaaccaatt ggccgcactg aacctcgctg cttatttgca 540
gcagcaaata ttactaccat ttagccagct agctgcagca agccgtgctt ctttcttgac 600
acagcaacag ttgctgcctt tctaccagca gtttgoggc 639

<210> 10896

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-F12

<400> 10896

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ctccttggtc tttctgcaag tgctgctacg gcgaccattt tcccgcaatg ctcgcaagct 120
cctatagctt cccttcttcc ccggtacctc tcaccagcgg tgtcttcggg atgtgaaaac 180
ccaattcttc aaccctacag gatccaacag gcaatcacag ctggcatctt acctttatca 240
cccttggttc tccaacaatc atcagcccta ttacatcagt tacctttggg gcatttattg 300
gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaact tgctgcttac 360
tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat 420
ttgcaacaac aacaactacc attcagccag ctacctgtg cctaccccca gcaatttctt 480
ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca acaactacta 540
ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc acagttgttg 600
ccgttctacc agcacgtgc gcctaacgct ggcacctct tacaactgca acaattgctg 660

<210> 10897

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-F2

<400> 10897

gttctacact tcaaactgcc catcattctt cactctgcgc tgattaccaa cctctatttt 60
atatcccagg tacacacctc atttctaag ctgcagtaag ttatatcttc tgtatgtgtg 120
tgtgtaagtg ctaatgtatt ttactgctat cacagcttct ctacaggaag tacagtggaa 180
acttcocttg taaccttctt gggaagtgga aggagtctga atactctggc cattctattc 240
ctgttggtgg tcttgcttac tatgtaactg ccccatcaag gtgaaaatct agttccttca 300
gtggggactg gggaggcctt ctgccatga tcatttttgt tgtttttggt attcaataat 360
taggtattct tttgactaac aatagcacat tggaaaccac acagtttggc tgatgtcctt 420
gcaaatccat tccatgcact gttttatgtg gtcttcatgc tgtcagcctg tgctctgttc 480
tcaaagacat ggattgaagt ttctggttca tcagcaaagg atgttgctaa gcagctcaag 540

gaacaacaaa tggatgatgcc aggccatcgt gagtcgaact tgcagaagga acttaaccga 600
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<210> 10898
 <211> 655
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-F4

<400> 10898

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 ccttatgctc cttggtcttt ctgcaagtgc tgctaccgca accattttcc cacaatgctc 120
 acaagctcct atagcttctt ttcttcccc atacctctca ccagcggtgt cttcagtatg 180
 tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagcag gcattcttacc 240
 tttatcacc ttgttcttcc aacaaccgtc agccctatta cagcagttac ctttggtgca 300
 tttgttgga caaacatca aggcacaaca actacaacaa cttgtgctag gaaaccttgc 360
 tgcttactct cagcaacagc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
 tgcttatttg caacaacaac taccattcag tcagctagct gctgcctacc ccagcaatt 480
 tcttccattc aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct 540
 accaccattc agccagctag ctgatgtgag ccctgttgcc ttcttgacac aacaacagtt 600
 gttgccgttc tacctgcacg ctgcgcctaa cgctggcacc ctcttacact gcaac 655

<210> 10899
 <211> 150
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-F6

<400> 10899

ttttgcacca tgtggtatag aagttttaga agatctgact ccataggtag ataaggctag 60
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 cttattaatg ctggttattt agttctcctt 150

<210> 10900
 <211> 650
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-F7

<400> 10900

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 tccctcctta tgctccttgc tctttctgca tgtgttgcta acgcgacaat tttccctcaa 120
 tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat gatagcttca 180
 gtatgtgaaa acccagctct tcaaccctat aggctccaac aagcaatcg agcaagcaac 240
 atacctttat cacccttggt tcaacaatcg ccagccctat ctttggtgca gtcattggta 300
 caaaccatca aggcacagca gctgcagcaa ctctgtgtac ctgtgatcaa ccaagtagct 360
 ctggcaaacc tttctcccta ctatcagcaa caacaatttc ttccattcaa ccaactatct 420
 aactgaacc ctgctgctta ttgacagcaa caactattac cattcagcca gctagctact 480
 gcctactctc atcaacaaca acttcttcca ttttaaccaat tggccgcact gaacctcgct 540
 gcttatttgc agcagcaaat attactacca tttagccagc tagctgcagc aagccgtgct 600
 tccttcttga cacagcaaca gttgctgcct ttctaccagc agtttgcggc 650

<210> 10901
 <211> 634
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-F8

<400> 10901

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 tctaccagca ctgagccaac tagctgtggt gaacctgtc gcctacttgc aacagcagtt 120
 gcttgcatcc aaccacttg ctctggcaaa catagttgca taccaacaac aacaacaatt 180
 gcaacagttt ctaccagcgc tcagtcaact agccatggtg aacctgccg cctacctaca 240
 acagcaacaa ctgatttcat ctagccctct cgctgtggtt aatgcaccta catacctgca 300
 acaacagttg ctgcaacaga ttgtaccagc tctgactcag ctgctgtggg caaacctgc 360

tgcctacttg caacagctgc ttccattcaa ccaactgact gtgtcgaact ctgctgcgta 420
cctacaacag cgacaacagt tacttaatcc actagcgggtg gctaaccocat tggtcgctgc 480
cttcctacag cagcaacaat tgctgccata caaccagttc tctttgatga accctgcctt 540
gttgtggcag caaccatcg ttggagggtgc catcttttag attacatatg agatgtactc 600
gataatgggtg ccctcatagc ggcattgtgtt tcct 634

<210> 10902

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-F9

<400> 10902

gggggggggg ggaanaaaac acacgggggg ggggggnacan ggcncacac nncngctgct 60
ntcgnnccct cngnggggng aagagnggct ggggggcatg aagngcagca agcactgcag 120
ctgtttttat ttatatnaca aaaggggctt agtatggggc tttttttttt tttattatan 180
nctcttcttc caaggggttt gtcgattcga ggaacagatt agtcaaattt tgtgggtgtt 240
agacttgatga cctccgtttg tgcatagtc agcttcatcc aaaactatgt gctgtcacct 300
aaccgagagt tctgggtctgt gatgtatgac atgtttatac atttttttta ggaatgaatc 360
gtctgtgctt tcggctttg 379

<210> 10903

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-G10

<400> 10903

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tatgtcctt ggtctttctg caagtgtgc tacggcgacc attttccac aatgtcaca 120
agtcctata gcttcccttc tcccccgta cctctcacca gcggtgtctt cggtatgtga 180
aaacccaatt cttcaaccct ataggatcca acaggcaatc gcagctggca tcttaccttt 240

atcaccccttg ttctccaac aatcatcagc cctattacag cagttacctt tgggtgcattt 300
attggcaciaa aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc 360
ctactctcag caacaacagt ttcttccatt caaccaacta gctgcattga actctgcttc 420
ttatttgcaa caacaacaac taccattcag ccagctatct gctgcctacc cccagcaatt 480
tcttccattc aaccaacttg ctttgacaaa cccaacagca ttctaccaac aacccatcat 540
tgggtggtgcc ctcttttaga tttcttatga gttatagttc aataataaag ttttttgtct 600
g 601

<210> 10904

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-G11

<400> 10904

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gctgtggctg ccagacacca ccgtttcatc taccgcctcc gttctatatg ccgcctccgt 180
tctatctgcc gccgcagcag cagccgcagc catggcaata cccactcaa ccaccgcagc 240
taagcccgtg ccagcagttc ggatcctgcg gcgtcggcag cgtcggcagc ccgttcctgg 300
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cacagtgccg ggcgctgcag cagcagtgct gccaccagat caggcaggtg gagccgctgc 420
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gcgagctcgc ggcgctgatg gcggcccagg tagcgcagca gctgacggcg atgtgcggtc 540
tgcagctgca gcagccaggt ccctgccctt gcaacgcagc tgccggcggt gtctactact 600
gaggaaactt gtactgtagt aataatgtaa tggagccgct gactagctac ctat 654

<210> 10905

<211> 377

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-G2

<400> 10905

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tagtactagt tgggggggcg gtgataacca cggggggggc ggagaaacc gggggggacc 180
caaagagaaa canctggatg aaaataaatt tttttttttt ttttttgttg gtgtagagga 240
ccaagngga cggacgcgnc caagggacgg ccaagcgggg ggnaggggg accgcgccc 300
gaggcgcggc acgaggccc acggcggggg gcgtgaçaaa accgtggcgc tgcccacttg 360
aaacgccttt agcacca 377

<210> 10906

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-G3

<400> 10906

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tggcggcgca gatagcgag caactgacgg cgatgtgcgg cctgcagcag ccgactccat 120
gcccctacgc tgctgccggc ggtgtcccc actgaagaaa tatgtgctgt agtataggcg 180
gtggctagct agctagtga gtcatttagc ggcgatgatt gagtaataat gtgtcacgca 240
tcaccatggg tggcagtgtc agtgtgagca atgacctgaa tgaacaattg 290

<210> 10907

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-G6

<400> 10907

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ggaggcacga gtcttgaag agaagaagg gggcgtgaaa ggcgtcggga ggaagacgac 180

cgacgagtcg gagcacttca gctggagggg cggcgtcaag gtccccctgcg gcaagctggt 240
gccgtcggcg aacaaggacg gcccgtctga gtacaacgag tacgccgtgt acgaccccaa 300
gcaggtgagc atctgcttcc tggtcggggg gaagtacgag gagcagaaca tggaggtggt 360
gccgccggac gaccagtga gtagtcgtct cgtggagtgt cctagggcag ggcagggcag 420
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<210> 10908
<211> 657
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-G7
<400> 10908

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caatgggaag cctatctacc actttgttgg gacttccacc ttcagcgagt acaccgtcat 120
gcatgtgggt tgtgttgcaa agatcaaccc tcaggctccc cttgataaag tttgcgtcct 180
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gattgctgga gcgtcaagga tcattggtgt cgacctgaac cccagcagat tcgaagaagc 360
taggaagttc ggttgactg aatttgtgaa cccaaaagac cacaacaagc cagtgcagga 420
ggtacttgct gagatgacca acggaggggt cgaccgcagt gtggaatgca ctggcaacat 480
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<210> 10909
<211> 660
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-G8

<400> 10909

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gctcacaagc tcctatagct tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg 180
tatgtgaaaa cccaattctt caacctata ggatccaaca ggcaatcgca gctggcatct 240
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tgcatattatt ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc 360
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agcaatttct tccattcaac caactgacag ctttgaactc tcttgcttat ttacagcagc 540
aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac 600
cacaattggt gccgttctac cagcagcgtg cgcctaacgc tggcaccctc ttacaactgc 660

<210> 10910

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-G9

<400> 10910

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cgagtgccat tattccacag ttctccctc cagttacttc aatgggcttc gaacaccag 180
ctgtgcaagc ctataggcta caacaagcgc ttgcggcgag cgtcttagaa caaccaattg 240
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agcaacaact tctttcatct agcccgctcg ctatgggcaa tgcacctaca tacctgcaac 540
 aacagttggt gcaacaacag ttgctgcaac aaattgtacc agctcttact cagctagctg 600
 tggcaaacc tgcctgcctac ttgcaacaac tacttccatt caaccaactg act 653

<210> 10911
 <211> 242
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-114-Q6-K6-H1
 <400> 10911

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 gcagcaacaa ttgctgccat acaaccagtt ctctttgatg aaccctgcct tgttgtggca 120
 gcaaccatc gttggaggtg ccactcttta gattacatat gagatgtact cgataatggt 180
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 at 242

<210> 10912
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-H10
 <400> 10912

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<210> 10913

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-H3

<400> 10913

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gaataccaac aacccatgat tgagaggagc acctctttta gatttcttat gagttatagg 420
tcaataataa aggattcagg ctgatgtacg cgggttccca aaaataagaa agtacattag 480
tagatt 486

<210> 10914

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-H6

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aaggtttgct agcacaagtt gttgtagttg ttgtgccctg atgttttgtag ccaatggatg 180
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attgaactct cctgcttatt tacagcagca acaactacta ccattcaggc agctagctgg 360
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<210> 10915

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-H7

<400> 10915

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ct 362

<210> 10916

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-H8

<400> 10916

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cagaacatgc cggccatggg tggactctac cagtaccagt accagctgcc cagctaccgc 540
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<210> 10917

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-A11

<400> 10917

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 attccacagt gtcacttgc tcctagtgcc agtattccac agttcctccc accagggact 180
 gcaatgggct tttaacatcc agccgtgcaa gcctacaggc tacaactagc gcttgcgggc 240
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 caaaccattg caacgcaaca acaacaacaa cagtttctgc catcactgag ccacctagcc 360
 gtgggtgaacc ctgtcaccta cttgcaacag cagctgcttg catccaaccc acttgctctg 420
 gcgaacgtag ctgcatacca gcaacaacaa cagctgcaac agtttatgcc agtgctcagt 480
 caactagcca tgggtgaacc tgccgtctac ctacaactac tttcatctag cccgctcgcg 540
 gtgggcaatg cacctacgta cctacaacaa cagttgctgc aacaaattgt accagctctg 600
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<210> 10918

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-A12

<400> 10918

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 tcctatagct tcccttcttc ccccatacct ctcaccagcg gggggggggg ggggtgaaat 180
 ttttttggtc aaccctacag gatccaacag gcaatcgcaa caggcatctt accattatca 240

cccttggtcc tccaacaacc gtcagcccta ttacagcagt tacctttggt ccatttggtg 300
gcacaaaaca tcagggcaca acaactacaa caacttggtc tagcaaacct tgctgcatac 360
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ttgcaacaac aattaccatt cagccagcta gttgctgcct acccccagca atttcttcca 480
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ttcagccagc tagctgatgt gagccctgct gccttcttga cacaacaaca gttgttgccg 600
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<210> 10919

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-A3

<400> 10919

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gccgtcgctg tcgtcgctgt cgacgacgcc gcgcggcgcc ggcaacgtgt ggcgcagcgt 480
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cgcagtcctc ctccccacc gtctacgact ggctctacag cgacgagacc agtagcaacc 600
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<210> 10920

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-A4

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
tgaaaacca attcttcaac cctacaggat ccaacaggca atcacagctg gcatcttacc 240
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tgcctactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
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actactacca ttcagccagc tagctgggtg gagccctgct accttcttga tacaaccaca 600
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tgc 663

<210> 10921

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-A5

<400> 10921

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gtttcttgta cacagacagg cggctgcagc tgtgggtcaac aacaaagcca tgagcagcaa 180
catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca tcagcaacaa 300
caagaagttc atgttcaaca acaacaacaa caaccgcagc accaacaaca acaacaacaa 360
caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcacia 420
ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480

caacatcaac aacaattcca gggatcatgac aagcagcaac aaccacaaca gcctcagcaa 540
 tatcagcagg gccaggaaaa acacaacagc aacaatgtca ttgccaggag cagcaacaga 600
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<210> 10922

<211> 667

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-A6

<400> 10922

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 attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc 360
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<210> 10923

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-A7

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<210> 10924

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-A8

<400> 10924

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<210> 10925
 <211> 667
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 10925

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aactggcagc attgaactct catgcttatg tacaacaaca acaactacta ccattcagcc 660
agctagc 667
  
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<210> 10926
 <211> 599
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-B1
 <400> 10926

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<210> 10927
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 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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 <211> 645
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 10928

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<210> 10929

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 10929

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<210> 10930
 <211> 658
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-B2

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<210> 10931
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-B3

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<210> .10932

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-B4

<400> 10932

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cactgagcca cctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcac 300
ccaaccact tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt 360
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tgcttccatt caaccaactg gctgtgtcaa actctgctgc gtacctataa cagcgacaac 600
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<210> 10933

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-B5

<400> 10933

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcggtgt cttcggtatg 180
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<210> 10934

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-B6

<400> 10934

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tgatggattg actgctcttg aaatttttct tcttggtgct gttgcgaaac ttggtgcaac 180
cgtcgttacg tatccccctc tagttgttaa ggcaagactt caggcaaagc acatgattaa 240
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635

<210> 10935

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 10935

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gttctcaaag gcttatggaa tgatgggggtg gcgtgtagga tacattgcat ttccaaatga 180

agctgatggc ttccatgata agctcctcaa ggtgcaagac aacataccga tctgcgcctc 240

catcatcggg cagcgcttg cgtctactc gctggaggcc ggccccgagt ggatcaaaga 300

acgggtgaaa gacctggtga aaaaccgggc gctgctggtg gaggcactgt ccccgctcgg 360

cgaggacaac gtcaagggcg gggagggcgc catctacctc tgggcaaagc taccggacag 420

ctgctcggac gacttcgagg ctgtcaggtg gctcgcgaac aagcacggag tcgccgtgat 480

ccccgggagc gccagcggag gaccgggta catccgcgtc tccttcggag ggctcaagga 540

agaggacacc aggctggccg ctgagaggct caggcgcggc ctgcaggagc tggtgaccga 600

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<210> 10936

<211> 119

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-B9

<400> 10936

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atcgaaatta aacaaatgaa aggacaggtg cagcagataa tgaaacatgt ttttcccct 119

<210> 10937

<211> 650

<212> DNA
 <213> Zea mays
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 <400> 10937

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gttggagaaa cattcgagag aattcttgaa gagacggtga aagtgcgcga tgagcaggaa 600
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<210> 10938
 <211> 460
 <212> DNA
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gcattgaact ctcatgctta tgtacaacaa caacaactac taccattcag ccagctagct 240
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gcgcctaacg ttggcacctt cttacaactg caacaattgc tgccattcga ccaacttgct 360
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<210> 10939
 <211> 666
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-C11

 <400> 10939

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 aatcacacat ccgtgagccc agataagaaa cttttggctg tggttggaga tgatcgagat 480
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 anaacctgcc gcatctggga caccgcgaac ttgtcgacct cacttgcagt actgcggggc 660
 aacatc 666

<210> 10940
 <211> 515
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-115-Q6-K6-C12

 <400> 10940

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 ctcaccaacg gtgtcttcgg gggggggggg cccttttctc atttttacag gatccaacag 180
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 caacttgctt tgacaaaacc agcagcattc taccaacaac ccatcattgg tggggccctc 420
 ttttagattt cttatgagtt atagttcaat aataaagttt tttgtctgat gtttgtggct 480
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<210> 10941

<211> 330

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-C2

<400> 10941

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 tggggccacca gcaacgagtc gctggagaat gccttttttt tttatggtga gatcctcgac 180
 gtgcgggggg tgaccgaccg ggagacgggg aggtcccggg ggttgggggtg ggggtacctc 240
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<210> 10942

<211> 497

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-C3

<400> 10942

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 ccattcagcc agctatctgc tgctacccc cagcaatttc ttccattcaa ccaactgaca 180
 ggattgaact ctctgctta ttacagcag caacaactac taccattcag ccagctagct 240
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g'gcg'ccta'acg ctggcaccct cttacaactg caacaattgc tgccattcaa ccaacttgct 360
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<210> 10943
 <211> 646
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-C4
 <400> 10943

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<210> 10944
 <211> 672
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-C5
 <400> 10944

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ggtctggagc ggctagctcg tctagagcta agtcagcgaa tctcccgac cgtcccttct 180
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 aagtgcctga agcactaggt cttgttggtg ggattatcta cttggtcatt gctattatat 600
 ttcagcagtt tcaactatgcc ccagactcca tttggcttgt tgaatataat gcagcgttgg 660
 catcagtctg tt 672

<210> 10945
 <211> 647
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-C6

<400> 10945

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 aatgctcact tgctcctagt gccattatac cacagttcct ccgaccagtt acttcaatgg 180
 gcttgaaca cctagctgtg caagcctaca ggctacaaca agcgcttgcg gcgagcgtct 240
 tacaacaacc aattaaccaa ttgcaacaac aatccttggc acatctaacc atacaacca 300
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 tgggtaatgc acctacatac ctgcaacaac aattgctgca acagattgta ccagctctga 600
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<210> 10946

<211> 648
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 10946

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<210> 10947
 <211> 580
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-D1

<400> 10947

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<210> 10948

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-D10

<400> 10948

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<210> 10949

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-D11

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<210> 10950
 <211> 548
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-D12

 <400> 10950

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<210> 10951
 <211> 388
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-D2

<400> 10951

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<210> 10952

<211> 563

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-D4

<400> 10952

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aaaaaaaaaa aaaaatnnaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
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<210> 10953

<211> 111

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-D5
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<210> 10954
 <211> 670
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 cccctgtggc gtctccgctg ccattccgcc ctactactga ttcatgatat ttgggaaatc 600
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 <211> 613
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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cgcagctgga gggccgccta gaggacctgc cgggctgcc cggggaggtg cagaggggat 420
tcgccgccac cctcgtcacg gaggccgagt gcaacctggc caccatcagc ggcgtcgccg 480
aatgcccctg gattctcggc ggcggaacga tgccctccaa gtaactgcga agagcatagt 540
gcatgaggaa tgagcttgta gctagctcat atgtctgaat aataagcaca gcaagaagat 600
gaatgcattt ctc 613

<210> 10956

<211> 332

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-D8

<400> 10956

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agaagnanga aaaaaccnaa ccccggggta nnagaacggg tgattttttt ttttctacaa 180
gaaaaggggn cgaaggaagg aggggagcat ggggagggga agctgntccc gctgggcaga 240
gtgatgtggt gctgtggacg ctgacgctga cggcctcctt ggtgtggctg accgtggtta 300
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<210> 10957

<211> 637

<212> DNA

<213> Zea mays

<223> unsure at all n locations
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<400> 10957

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cctatggctc ctcagcaact cttctatgga caagcgccac ctgctatgat accccctcag 180
ccaggatttg gtttccagca acaacttggt ccaggcatga ggcttggggg tcctcatatg 240
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gatgctgctt tatccccggc tgcccaaatt gggactctga cttctgccct tgcaaagtct 540
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gaaccaaacc aagcggcaaa gtcactggaa tgctttt 637

<210> 10958

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-E11

<400> 10958

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ttaaccaatt ggccgcactg aaccccgctg cttatttgca gcagcaaata ctactaccat 180
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ttgtccaact tgctttgaca gaccgagcgg cctcctacca acaacacatc attggtgggt 360
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<210> 10959
 <211> 603
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-E2

<400> 10959

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ggg 603

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<210> 10960
 <211> 609
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 10960

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actatccgct ccaggaggct gaagttagca tcggggcaac caggctccact cgtcaggctc 180
gcctagggta cgtcgacgac gacgaggacg gggaagaggt gcctcagaac taccggtcgt 240
tcggggcggt gggaaatgta tttagaccaa ggatcgggag gcggaaccgt cgccagcctc 300
ctggagtgca cgtcctgcac cctcagacaa gagccggcgg ctggatggag atggagatgg 360

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<210> 10961
 <211> 591
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-E5
 <400> 10961

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 tccccctact ctcagcaaca acaatttctt ccattcaacc aactgtctat actgaaccct 180
 gctgcttatt tgcagcaaca acaactacta ccattcagcc agctagctac tgccctactct 240
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 cagcagcaaa tactactacc atttggccag ctagctacaa caagccccgc ttccttcttg 360
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 caactgcaac agttgctgcc ctttgtccaa cttgctttga caaaccagc agccttctac 480
 caacaacaca tcattggcgg tgccctcttt tagattgctt attagttgta attcaataat 540
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<210> 10962
 <211> 623
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-E6
 <400> 10962

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cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc 180
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<210> 10963
 <211> 432
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 10963

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 tgtcgaggca gcaaccatc gttggagggt ccatctttta gattacatat gagatgtact 360
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<210> 10964
 <211> 641
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-E9

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aataagaagt acatttctaa aaaaaaaaaa aaggcggccg c 641

<210> 10965

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F1

<400> 10965

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tggcagccca gggctctaac cccatggcca tgatgatggc gcagaacatg ccggccatgg 180
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atctatatat gtaataatgc agtaagacga cacacattat catgtgtggt atgaccaata 360
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<210> 10966

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F10

<400> 10966

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attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa acttctgtgc 360
ctactctcag caacagcagt ttcttccatt caaccaacta gctgcattga actctgcttc 420
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<210> 10967

<211> 135

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-F11

<400> 10967

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gggaaggagg gaaca 135

<210> 10968

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F2

<400> 10968

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 caacaattgc tgccattcaa ccaacttgct ttgacaaacc cagcagtgtt ctaccaacaa 600
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<210> 10969

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F3

<400> 10969

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<210> 10970

<211> 214

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-F4

<400> 10970

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accgttactc atgagccaat cttaacgagg gcatgcctgc gtaggtcaga cctggggggtg 180
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<210> 10971

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-F5

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<210> 10972

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F6

<400> 10972

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 agatccaaat gttgtagagt tttctacca aacatacata aactcagggg gtgttgccca 180
 acttgagtgg agtgcaaatt atcctaaaca tgctgtttct ggtaatcatc agccaatcat 240

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 gttcacacaa aacttgaagg actatatgca agcaaacaat gttgagattg aatatgctga 420
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<210> 10973
 <211> 660
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F7

<400> 10973

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<210> 10974
 <211> 656
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F9

<400> 10974

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<210> 10975

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-G10

<400> 10975

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gaccctttct ctaagaagga ttggatgac atcaaggcac cgtcgggtgtt cagtgtgcgc 180
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gaagcccatg ttgatgtcaa gacaaccgac aactacatgt tgcgtttgtt ctgcatcggc 480
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<210> 10976
<211> 643
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-G11

<400> 10976

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aacgcaacag caacaacagt tcctaccagc actgagccac ctagccatgg tgaaccctgc 360
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aaaccagcaa caacaacagc tacaacagtt tctgccaaag ctcaagtcaac tagccatggt 480
gaaccctgcc gcctacgtac aacaacaaca actgctttca tctagcccgc tcgctgtggg 540
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<210> 10977
<211> 650
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 10977

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tacagattat tcagtcagta tgttgggatg ccgcggggcaa ctatctggcg tctgtcaggg 180

aagagtctgt catgttgtgg tcatttacct cagggaacta catcgaatgc atacatgagc 240
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 ttataatcgg ttgttatgag tccctagagc tttgggacat tagggagaag aacacggtga 360
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 tggttgcatc agtgagtcac gatcagctcg ttaagctctg gaggtgacac tgaagacagc 480
 aacgcttgtc tgtgtgtcat tctcatttcc agtgctgtgg caaaagcgaa agggcagctg 540
 atctgatctc ctagattgat ttgcgactgt ggcattgcgc aactattcaa atagttgtca 600
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<210> 10978

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-G2

<400> 10978

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 gctacggcga ccattttccc gcaatgctcg caagctccta tagcttccct tcttcccccg 180
 tacctctcac cagcgggtgc ttcggtatgt gaaaacccaa ttcttcaacc ctacaggatc 240
 caacaggcaa tcacagctgg catcttacct ttatcaccc tgttcctcca acaatcatca 300
 gccctattac atcagttacc tttggtgcat ttattggcac aaaacatcag ggcacaacaa 360
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 aactctctg cttatttaca gcagcaacaa ctactaccat tcagccagct agctgggtgtg 600
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<210> 10979

<211> 666

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-G3

<400> 10979

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acaagctcct atagcttccc ttcttcccc.atacctctca ccagcgatgt cttcagtatg 180
tgaaaatcca attcttctac cctacaggat ccaacaggca atcgcagcag gcatcttacc 240
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agctgc 666

<210> 10980
<211> 595
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-G4

<400> 10980

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gcagccgcaa agcggccagg tcgcggggct gttggcggcg cagatagcgc agcaactgac 180
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ccactgaaga aactatgtgc tgtagtatag ccgctggcta gctagctagt tgagtcattt 300
agcggcgatg attgagtaat aatgtgtcac gcatcaccat ggggtggcagt gtcagtgtga 360
gcaatgacct gaatgaacaa ttgaaatgaa aagaaaaaaa tactccaaaa aaaaaaaaaa 420

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aattaaaaaa aaaaaaaaaa aaaaaaaaaa 480
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagggggcg 540
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<210> 10981
 <211> 619
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-G6
 <400> 10981

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 ctccccatc tgaagaagag cggcgggtggg aaggtcttcg tcaactcctc ggctgcggcg 420
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 tggatcgagt cggagatgac cggaggggaag cagctgtcca aggaaggagc ggnntggagg 600
 tcgcccgtgc ggtgcgccc 619

<210> 10982
 <211> 631
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-G8
 <400> 10982

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 gtggacgagc accgctggc cgtggccagg tcgctgggcg cggacgcggc ggtgcgggtg 540
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<210> 10983
 <211> 651
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-G9
 <400> 10983

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 ggcttgtacg gcgctggcgc cggcctgacg acgatgatgg gcgcggcgcg gctgtacccc 180
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 gctgccattc cgcctacta ctgattcatg atatttggga aatctcctct atccatctct 600
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<210> 10984
 <211> 636
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 10984

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<210> 10985

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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gaaccctgcc gtctacctac aactactttc atctagcccg ctgcggtgg gcaatgcacc 420
tacgtaccta caacaacagt tgctgcaaca aattgtacca gctctgactc agctagctgt 480

ggcaaaccct gctgcctact tacaacagtt gcttccattc aaccaactgg ctgtgtcaaa 540
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<210> 10986

<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-H12

<400> 10986

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 cgcagccgcc gtctgtctct ccgtgctcgc ggctgccagc gccagcgccg ggacctcctg 180
 cgtgccgggg tgggccatcc cgcgcagggg ggtggcgagc tttttttttt acgtgaccag 240
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 caagtaactg cgaagagcat agtgcagtag gaatgagctt gtagctagct catatgtctg 600
 aataataagc acagcaagaa gatgaatgca tttctc 636

<210> 10987

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-H2

<400> 10987

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tcccacaatg ctcacaagct cctatagctt ccccttcttcc cccatacctc tcaccagcgg 180
 tgtcttcaat gtgtgaaacc ccaattgttc aaccctacag gatccaacag gcaatcgcaa 240
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<210> 10988

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-H3

<400> 10988

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<210> 10989

<211> 628

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-H4
 <400> 10989

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<210> 10990
 <211> 604
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-H6
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<210> 10991

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-H9

<400> 10991

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<210> 10992

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-A1

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<210> 10993
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-116-Q6-K6-A10
 <400> 10993

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 aagaatcgca gcacaacaac tacaacaaca gttgcttcca acaatcaatc aagtagttgc 360
 agcgaacctt gctgcttacc tccagcaaca acaatttctt ccattcaatc aactagctgg 420
 ggtgaaccct gctgcttact tgcaggcaca acagctacta ccattcaacc aacttgctag 480
 gagccctgct gccttcttac tgcagcaaca gttgcttcca ttccatctac aagttgtggc 540
 aaacattgct gctttcttgc aacaacaaca acaattgctg ccattttacc cacaggttgt 600
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<210> 10994
 <211> 388

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-116-Q6-K6-A12
 <400> 10994
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 aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct accaccattc 120
 agccagctag ctgatgtgag ccctggtgcc ttcttgacac aacaacaggg ggggggggtc 180
 ttcttcattc tgcgcctaac gctggcacc tcttacaact gcaacaattg ctgccaattca 240
 accaacttgc ttgacaaaac ccaacagcgt tctaccaaca acccatcatt ggtggtgccc 300
 tcttttagat tgcttatgag ttatacttca ataatgaagt tttttggatg atgtttgtgg 360
 cttcccagaa ataagaaagt acatttct 388

<210> 10995
 <211> 620
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-116-Q6-K6-A4
 <400> 10995
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 gccaccgccc cctcatcctc gcagccgccc tctgctctc cgtgctcgcg gctgccagcg 120
 ccagcgccgg gaccttctgc gtgccggggg gggccatccc gcacaacccc ctcccagagct 180
 gccgctggta cgtgaccagc cggacctgcg gcacgggccc gcgcctcccg tggccggagc 240
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 tgagcatcct catggacggc gcgatcccgc cgggcccgga cgcgcagctg gagggccgcc 360
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 cggaggccga gtgcaacctg gccaccatca gcggcgtcgc cgaatgcccc tggattctcg 480
 gcggcggaac gatgccctcc aagtaactgc gaagagcata gtgcatgagg aatgagcttg 540
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 gttcatccgg aacataatta 620

<210> 10996
 <211> 635
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-A5

<400> 10996

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 ccctccttat gtccttgct ctttctgcat gtgttgctaa cgcgacaatt ttccttcaat 120
 gctcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag 180
 tatgtgaaaa ccagctctt cagccctata ggctccaaca agcaatcgca gcaagcaaca 240
 tacctttatc acccttggtg tttcaacaat cgccagccct atctttggtg cagtcattgg 300
 tacaaaccat cagggcacag cagctgcagc aactcgtgct acctgtgatc aaccaagtag 360
 ctctggcaaa ctttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt 420
 ctacactgaa ccctgctgct tatttgcagc aacaactatt accattcagc cagctagcta 480
 ctgectactc tcagcaacaa caacttcttc catttaacca attggccgca ctgaaccccg 540
 ctgcttattt gcagcagcaa atactactac catttagcca gctagctgca gcaaaccgtg 600
 cttccttctt gacacagcaa cagttgctgc ctttc 635

<210> 10997
 <211> 656
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-116-Q6-K6-A6

<400> 10997

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 caatgtgttt ggtgcgctta agctctgatg agtctcatgt tatttttttt tgcaatcgac 180
 ttgcaccatc aattgatatc taacaacatg atggagtatg aacttgtact ctgctttccc 240
 atagccaatt catcattgca ctatgtgat tatattttct taatgattcc cagggttgtg 300
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aattcaatttg cttggcaaga tagagtcttg tccaatgaag ttcttctatg aagacaagat 420
 ttgatacttt gagaaaatta atttcatgaa gagaagatga gagacatata tactggcttg 480
 tacatgagaa gataaaagag agtcaagtca atttcaagta cttttgtgac tttttcaaatt 540
 gttgggggaac ttgaagcgaa cgatttttat gaagatactc tttatgagga tcaccttacg 600
 tagttgtata caagaaactt ggacactaga gcctgggcat cttactgctt ttgca 656

<210> 10998

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-A7

<400> 10998

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 tattccacaa tgctcacaac aatacctctc tccggtgaca gccgcgagat ttgaataccc 180
 aactatacaa tctacaggc tacaagaggc catcgagca agcatcttac ggctcgtagc 240
 attgaccgtc caacaacat atgccctatt gcaacaacca tcttaatatga atctatatct 300
 ccaaagaatc gcagcacaac aactacaaca acagttgctt ccaacaatca atcaagtagt 360
 tgcagcgaac cttgctgctt acctccagca acaacaattt cttccattca atcaactagc 420
 tggggtgaac cctgctgctt acttgcaggc acaacagcta ctaccattca accaacttgt 480
 caggagccct gctgctttct tactgcagca acagttgctt ccattccatc tacaagttgt 540
 ggcaaacatt gctgctttct tgcaacaaca acaacaattg ctgccatttt acccacaggt 600
 tgtggggaac attaagcct tcttgcaaca gcaacagttg ctaccc 646

<210> 10999

<211> 608

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-A8

<400> 10999

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tttgtggtcc gtgacgatgt cgaggagagc cgcagcgttg ttgctcgcgt gcctcgtcgc 120
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 cgggcttgac gaggcagcgg tgaccgacgt gggcctcctg gcggccgacc cgttccggat 240
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 cgtggactgg cgcgagaccc ccgacgcgca cgagatcgtg gtcgacgtgc ccgggatgcg 360
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 gcggcgcgct gaggagcgca agggcgacca ctggcaccgc gaggagcgct cctacggcag 480
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 cgacagcggc gtcctcaccg tgcgattcag gaagctggcg cccgagcaga tcaagggccc 600
 gcgcgtcg 608

<210> 11000
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-A9
 <400> 11000

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 tctcctgctt atttacagca gcaacaacta ctaccattca gccagctagc tgggtgtgagc 180
 cctgctacct tcttgacaca accacagttg ttgccgttct accagcacgc tgcgcctaac 240
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 ccagcagcat tctaccaaca acccatcatt ggtggtgccc tcttttagat ttcttatgag 360
 ttatagttca ataataaagt tttttgtctg atgtttgtgg cttcccagaa ataagaaagt 420
 acatttctag att 433

<210> 11001
 <211> 528
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-116-Q6-K6-B1

<400> 11001

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ccaaatcaaa tctgcaacat caattatcta actccaaaac catgaagctg gtgcttgtgg 120
ttcttgcttt cattgcttta gtatcaagtg tttcttgtac acagacaggt gtttgcagct 180
gtggtcaaca acaaagccat gagcagcaac atcatccaca acaacatcat ccacaaaaac 240
aacaacatta accaccacca caacatcacc agcagnagna acaccaaaa caacaagttt 300
acatgcaacc acaaaaacat tagtaaeaac aagaagttta tgttcaaca caacaacaac 360
aaccggagta ccaacaacaa caacaacaat aacagtatga acaacaacat taatgtgaag 420
gtcaacaaca acattatcaa taattacaag ggcattgtgna acaacatgaa cagagtcattg 480
aggaaaatta aggacagagg tatgaggaat aatattaaaa ataatttt 528

<210> 11002

<211> 652

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-B10

<400> 11002

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aggcaccctc ctcaacaaaa tgaagctgga acagagattg gagagatttc cctgaagatc 120
ttttcgaaac tgtcatagca aggttctctg ttgctgcaat ttttcgattc cgcactgtct 180
gccgaagggtg gtcttccctt ttgggctcag acagtttctc tcgtcagtac tctgaagctc 240
cacatggact gccatggttc tatacaatca ctcatgagaa ttcaaacaac aatgttgcca 300
tgtatgatcc ttgctgaag aaatggcacc accaatctgt tcctctcaat catacgaaga 360
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atttttacat ctgcaaccct cttacgcaat cactgaagga gatccaccca agatcagtc 480
atggttggtc aagagtcgtt gtagggatgg tgttgaatgg aagaagttct agtgatggct 540
acaaagtaat gtggttagat attgatggga cttgcgaagt ttatgactct acaaagaacg 600

tgtggtcttg ccctggaact tttcctccaa gcatcaaact tccacttgct ct 652

<210> 11003

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-B11

<400> 11003

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caacaagcaa tcgcagcaag caacatacct ttatcacctt tgtttcaaca atcgccagcc 120
ctatcttttg tgcagtcatt ggtacaaacc atcaaggcac agcagctgca gcaactcggg 180
ctacctgtga tcaaccaagt agctctggca aacctttctc cctactatca gcaacaacaa 240
tttcttccat tcaaccaact atctacactg aaccttgctg cttatttgca gcaacaacta 300
ttaccattca gccagctagc tactgcctac tctcatcaac aacaacttct tccatttaac 360
caattggccg cactgaacct cgctgcttat ttgcagcagc aaatattact accatttagc 420
cagctagctg cagcaagccg tgcttcttct ttgacacagc aacagttgct gcctttctac 480
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caacttgctt tgacaaacct agcagcctcc taccaacaac acatcattgg tgggtgccctc 600
ttttagattg cttatgagtt atagttcaat aataaagttt ttttttgctg c 651

<210> 11004

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-B12

<400> 11004

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ggaaaaccca gctcttcagc cctataggct ccaacaagca atcgagcaa gcaacatacc 120
tttatcacc ttgttgtttc aacaatcgcc agccctatct ttggtgcagt cattggggcg 180
gggggtgagg gctctatctt tgcagcaact cgtgctacct gtgatcaacc aagtagctct 240
ggcaaaccct tctccctact ctcagcaaca acaatttctt ccattcaacc aactgtctac 300

actgaaccct gctgcttatt tgcagcaaca actattacca ttcagccagc tagctactgc 360
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ttatttgagc cagcaaatac tactaccatt tagccagcta gctgcagcaa accgtgcttc 480
cttcttgaca cagcaacagt tgctgccttt ctaccagcag tttgcggcta accccgcaac 540
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ctcctaccaa caacacatca gtggtggtgc cctctttt 638

<210> 11005
<211> 636
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-116-Q6-K6-B3
<400> 11005

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tgaagctgct tccattccaa ctccaaagct caagaatgtc agtcgtctta ggacagaaca 180
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caatgcgccc aagacattct gtgattcagg ggagactggt caactatgtg gaagtttaac 360
atgctttagt tgcaacagtt tacgagaaat gcaggctcag aaagtcagag gaacactctt 420
gataccatgc cggacagcaa tgagaggaag ctcccactt aatgggacat attttcaagt 480
taatgaggta tttgctgacc attgttcaag ccaaaatcca attgatgtcc cacgaagttg 540
gatatgggac ctcccaagac gaactgttta ctttgaacc tcagttccta caatatttag 600
naggtttaac gactgaagaa gaacaacaat gctttt 636

<210> 11006
<211> 372
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-116-Q6-K6-B6

<400> 11006

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gagaataaga catcatggcc tgagggtggtg ggcattgtcca tcaaggaggc aagagagatc 120
attcttaaag acatgcccac cgctaacatt caagttctac cggttggctc gcttgtgacc 180
caagactttc gccctgatcg tgttcgcac ttcgttgata ttgttgccca gactccaaca 240
gttggctgac aaggatatgc cttatctata ggccaaataa acaaagccta cttttatgta 300
tcatggctaa taaatctac atttcttggg taaaaaaaaa aaaaaaaaaa aaaaaaggga 360
ggacgataat aa 372

<210> 11007

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-B8

<400> 11007

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gccctgctcg ccaactcaccg attgttattg ttgaagaacg aataaaagag ggagggccag 120
ccggccaggg gacgacgacc aagacttggg tgggggtcac gccggacgag ggacacggag 180
gaaggtcaca ctttgggtga aaccagccac ccaccaatcc gaaatcttgg agaaatggaa 240
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gctgtccac ttccaccggc cgccggcgcc tgggtgggtga gccggcgac tttagggctg 360
gttcggttat tccaatata catggattgg atgagtttga aaaaaataa gaaaatgttt 420
gacttgtttg tgattcaaac tcattcaatc ccaactcaat cacatgtgga ttgagagcta 480
tccgaacaag cccttactgg gggagggccg cgccagcgcc cgtgccaaat cgggtacagt 540
acttactcca ttacaaaatt agttgtcggt ctgaaaaat aacatgttta actttaatca 600
atatttatat atttataata aataattagt attattagat ag 642

<210> 11008

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-116-Q6-K6-B9

<400> 11008

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cttcccttct tccccatac ctctcaccag cgggtgtctt aatgtgtgaa aaccaattg 180
ttcaacccta caggatccaa caggcaatcg caacaggcat cttaccatta tcacccttgt 240
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aacatcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct tatttgcaac 420
aacaattacc attcagccag ctagtgtctg cctaccccca gcaatttctt ccattcaacc 480
aactagcagc attgaactct gctgcttatt tacagcagca acaactacta ccattcagcc 540
agctagctga tgtgagccct gctgccttct tgacacaaca acagttgttg ccgttctacc 600
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<210> 11009

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C10

<400> 11009

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gggaggcatg gcgtccgaaa gcacttcaag tacgtcatcc tcggcggcgg cgtcgcggcg 180
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gctgatcttt ccaccaagac tctgactagt gcagctggag caaactttac atatgagatc 480
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gattctaaca acattctata tctaagggaa attgatgatg ctgacaagct ggttgcagct 600
atccaggcaa agaaggtggc aaggcagtgg ttgt 634

<210> 11010

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C11

<400> 11010

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agaagataga accgaacctg accatgtcgc tgatccgccg cagcaacgtg ttcgatccct 120
tctccctcga cctctgggac ccctttgagg gcttccccctt cggctccggc agcagcggca 180
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tcttgcgcag gttccgactg cccgagaacg ccaagacgga gcagatcagg gccgccatgg 480
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ccattcagat ctccggctag acctcgggtc gcggtcgtcg tacctgcgtg gtttgaggaa 600
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<210> 11011

<211> 652

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-C2

<400> 11011

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aacaatggca gccaaaaatt ttgcctcctt atgctccttg gtctttctgc aagtgtgct 120
acggcgacca ttttcccgca atgctcgcaa gctcctatag ctcccttct tccccgtac 180

ctctcaccag cgggtgtcttg ggtatgtgaa aaccaattc ttcaacccta caggatccaa 240
caggcaatca cagctggcat cttaccttta tcacccttgt tcctccaaca atcatcagcc 300
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tcttctgctt atttacagna ggtacaacta ctaccattga gccagctatc tgggtgtggag 600
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<210> 11012

<211> 292

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-C3

<400> 11012

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ttgatgggtt gtattgtatt tatgctgata ggctgtttgt gtagtttaga acaaaaaaag 180
atacatgggg ggaaagggtg tccgcctgtt ttatttttaa aaaaaagggg ggggggggaa 240
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<210> 11013

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-C4

<400> 11013

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acccggcgca acgtcccctt cccgcctctc cgcggcgctg cgtgacaccc ggcctccgct 120
acgaaacacc ggggggggtg tagcctagcg ggcgggcat ggcgtcaacg gtgctggagg 180

cgacgcgggc ggcccatgag gatctggaga ggctggagcg gctcgcggtg agcgagctgc 240
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<210> 11014

<211> 584

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C5

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<210> 11015

<211> 346

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11015

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atacagcacc ctcccttttca aagtacaaca ccattgcaac tgtataagtg gtgtcaacaa 180
cagcgggggt gggtaaatta ttttatcgtg tttgcactcc acaagggtac atgtacatga 240
tggcctggag aggtggctac cctgttctga agaagtgacc attggaacgt ttacttgtgt 300
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<210> 11016

<211> 639

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-C7

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcgggtatg 180
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<210> 11017

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C8

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<210> 11018

<211> 640

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C9

<400> 11018

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<210> 11019
<211> 144
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D1

<400> 11019

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ttggtttggg tggggggggg gggg 144

<210> 11020
<211> 671
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D10

<400> 11020

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attccacagt gtcacttgc tctagtgcc attattccac agttcctccc accagttact 180
tcaatgggct tcgaacatcc agccgtgcaa gcctacaggc tacaactagc gcttgcgggc 240
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gccgtggtga accctgtcac ctacttgcaa cagcagctgc ttgcatccaa cccacttgct 420
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<210> 11021
 <211> 645
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 11021

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 <211> 660
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 11022

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atttggtggc acaaaacatc agggcacaac aactacaaca acttgctgcta gcaaacccttg 360
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<210> 11023
 <211> 679
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11023

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<210> 11024
 <211> 281
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-D4

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<210> 11025

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D5

<400> 11025

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<210> 11026

<211> 541

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D6

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<210> 11027

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D7

<400> 11027

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<210> 11028

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations
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<210> 11029

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-D9

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648

<210> 11030

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-E10

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gccgcaactga acccgcgtgc ttatttgcag cagcaaatac tactgccatt tagcgagcta 600

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<210> 11031

<211> 512

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-E2

<400> 11031

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aagggaactg gtgaccaacc aaggcaggct gtggaactgg gcaggcatgg cgccctagag 180

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<210> 11032

<211> 155

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-E3

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<210> 11033

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-E4

<400> 11033

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<210> 11034
<211> 674
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-E5

<400> 11034

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<211> 663
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 11035

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gcgtccatta ttccacaatg ctcaacttget cctagttcca ttattccaca gttcctccca 180
ccagttactt caatggcctt cgaacaccca gctgtgcaag cctataggct acaacaagcg 240
attgcggcga gcgtcttaca acaaccaatt gcccaattgc aacaacaatc cttggcacat 300
ctaacaatac aaaccatcgc aacgcaacag caacaacagt tcctaccagc actgagccac 360
ctagccatgg tgaaccctgt cgcctacttg caacagcagc tgcttgcac caaccactt 420
gctctagcaa acgtagtgtc aaaccagcaa caacaacaac tgcaacagtt tctgccagcg 480
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tctagcccgc tcgctgtggc caatgcacct acatacctgc aacaagaatt gttgcaacag 600
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ctt 663

<210> 11036

<211> 644

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-E8

<400> 11036

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tagtgcttgg atttatgctc attgcattga tctggcaata cgatttctcc cctttcatgg 180
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<210> 11037

<211> 656
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-E9

<400> 11037

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caatgctcac aagctcctat agcttccctt cttccqccat accttccatc aattatagct 180
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cccgctgctt atttgcagca gcaaatacta ctaccattta gccagctagc tgcagcaaac 600
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<210> 11038
 <211> 643
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-F10

<400> 11038

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gtgagagcag tgatgtcata atttgtacaa tggcattctc tatgaaagag aagttcaata 180
aatattggga catgaacaat atggcttttag cagtgggggc atttcttgat cctaggtaca 240
aacacaaaat ggtggagttg tacatgtcta agatgtatga tagtgagagg gctgagctag 300
agaagttgtc tttcattaat gtcacatg agttatttgc tttgtattca tcaaacaatca 360
atgcaaaaac aaccaatatg gcttctacct ccaaggagag tgaacttggt ccacacaaaa 420

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atggttcttt catggatgat gaggatgagg atgaggttga tcttgatgag ttgtatgcag 480
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aggtcaatga aggtgatgct ccatttgata tcctatcttg gtggaggggg caagtgacaa 600
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<210> 11039

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11039

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gggcccaggt cacaatcgat gcacggagga ggatgccgcc gtagctgcgg agattgataa 180
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tctccgcaca gacaattaga gtagctgcat tggcggggaa agcgcaagaa gctcagcaga 360
aatggcggag caggcaggcg ccggaaggta ctggtgccac atgtgcgccg cggctcgtgag 420
ccccgcggag ggcgaggcgg aggtgaagtg cccgcattgc cacagcggct tccttgagga 480
gatggagacc gtcgcggca cggccgcggc cgatgacggc gacggtgacg gcgcggtggc 540
tcaagtgtac cccggcgccg accgcccag ctccatctgg gcgcacgcta tcctcagcac 600
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<210> 11040

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-F2

<400> 11040

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tggcgcgcgct ggactggcgc gagacccccg acggcgacga gatcgtggtc gacgtgcccg 360
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gcgagcggcg gcgcgctgag gagcgcaagg gcgaccactg gcaccgagag gagcgctcct 480
acggcaggtt ctggcgccgg ttccgcctcc ccgagaacgc cgacctcgac tccgtcgccg 540
ccagcctcga cagcggcgtc ctcaccgtgc gattcaggaa gctggcgccc gagcagatca 600
agggccccgcg cgtcgtcg 618

<210> 11041
<211> 660
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 11041

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tcacaaggcc atgtgcaaca acacgaacag agccatgagc aacaccaagg acagagccat 180
gagcaacaac atcaacaaca attccagggt catgacaagc agcaacaacc acaacagcct 240
cagcaatatc agcagggcca ggaaaaatca caacagcaac aatgtcattg ccaggagcag 300
caacagacta caaggtgcag ctataactac tatagcagta gctcaaattt aaaaaattgt 360
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atacaacca gtagctgcc ggtattgcag caacaatgtt gtcattgatct taggcagatt 480
gagccacaat acattcacca agcaatctac aacatggttc aatccataat ccaggaggag 540
caacaacaac aaccatgtga gttatgtgga tctcaacaag ctactcaaag tgcgggtggca 600
atcttgacag cagcacaata cctaccatca atgtgcggct tgtaccactc atactacca 660

<210> 11042

<211> 621

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-F5

<400> 11042

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catcctcgca gccgccgtcc tgctctccgt gctcgcggct gccagcgcca gcgccgggac 180
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<210> 11043

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-F6

<400> 11043

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cggcgagacg gggagtcacc acgcggcaga cgcccgccg gcgctgcctt gcagttcctc 240
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agatggaggc aaagtgcctg ctgcattggg ccaccatgtt tttggtgcgg gctgttcctc 360

acggaaccaa catatctaca gatatttttc atcttctcat caagggagta tatgggccgg 420
gagcaagggt ctacatgacc tgccagggtg tgtaaaaatt gtggaagtag ggccacgaga 480
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attggccaca tctggattac ctgttggtgga ggcaacgagt tttgtatctc caaaatgggt 600
acctcagtta gctgatgcga aggagttatg gaagcagtc 639

<210> 11044

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-F7

<400> 11044

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cagcaacagc agtttcttcc attcaaccaa ctggctgcat tgaactctgc tgcttatttg 180
caacaacaac taccattcag tcagctagct gctgcctacc cccagcaatt tcttccattc 240
aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct accaccattc 300
agccagctag ctgatgtgag cctgttgcc ttcttgacac aacaacagtt gttgccgttc 360
tacctgcacg ctgcgcctaa cgctggcacc ctcttacaac tgcaacaatt gctgccattc 420
aaccaacttg ctttgacaaa cccaacagcg ttctaccaac aacctatcat tgggtggtgcc 480
ctctttttaga ttgcttatga gttatacttc aataatgaag ttttttggat gatgtttgtg 540
gcttcccaga aataagaaag tacatttcta gattc 575

<210> 11045

<211> 287

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-F8

<400> 11045

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tgntgnttaa tggaggtgat agagtgagct attntgagat tgtgacacat ttaaatttct 180
 catatgatga tgttgtttta ttgctgcatt ctttattttg tgcaaaatac aagattgtta 240
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<210> 11046

<211> 670

<212> DNA

<213> Zea mays

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<400> 11046

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 gcaaaaagga acaggaaaag cacgacatgg aacactgccc ggtgccagc ttcgtggtgg 180
 tgcaaccatg catgggccta aacctcgaag ccatgcaatc aagctgcaga agaaagtacg 240
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 gatgcatacc cccatcaacc gctagcaagg ggggtttctg agtcgcacca ctgtttctta 600
 cagccagcaa cctgtgcttt ttcgttcctt ggttcaagct cgagggttcc tgttatcttg 660
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<210> 11047

<211> 645

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-G1

<400> 11047

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gcgccgtgaa ggagacgacg gggatcgtgg gccttgaggt ggtgcctaac gcgcgagagg 180
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 ccgatgacta cgaatgtgag gtgattgaag acgacacccc aattcctaag catgttcttc 480
 agcaccggcc tgttgctctt cctgaggagt tcttcaagga actagatgct gtcaaactcg 540
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<210> 11048
 <211> 641
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 11048

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 aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcatactctc 360
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 aacaacaatt accattcagc cagctagttg ctgcctaccc ccagcaattt cttccattca 480
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 gccagctagc tgatgtgagc cctgctgcct tcttgacaca acaacagttg ttgccgttct 600
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<210> 11049

<211> 631
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-116-Q6-K6-G11
 <400> 11049

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<210> 11050
 <211> 425
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-G12
 <400> 11050

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 tgcagcagca aatactactg ccatttagcg agctagctgc agcaagtgcg ggcgtgggg 180
 ggttgacaca ttttctgttg ctgcctttct acaagcagtt tgcgggctaac cccgcaacct 240
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 cctaccaaca acacatcatt ggtgggtgcc tcttttagat tgattattag ttgtaattca 360
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attct

425

<210> 11051

<211> 645

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11051

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ttgtagggtg gaatgttgta gcagcaaatg ttagttacat gttgaatcga cattggggggc 600
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<210> 11052

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-G4

<400> 11052

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 ttgacctctc gggtcagcaa gatgctgtgc cagaaactcg gcttcgtgct tgtgcgtccg 540
 tagcgctttt ccatgagaaa gtcagcaagt tgctgcacct aaacaagact gctagctntg 600
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<210> 11053

<211> 637

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-G6

<400> 11053

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 atgctcacia caatacctct ctccggtgac agccgcgaga tttgaatacc caactataca 180
 atcctacagg ctacaagagg ccatcgagc aagcatctta cggtcgtag cattgaccgt 240
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 ccctgctgct tacttgagc cacaacagct actaccattc aaccaacttg tcaggagccc 480
 tgctgccttc ttactgcagc aacagttgct tccattccat ctacaagttg tggcaaakat 540
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<210> 11054

<211> 666

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-G7

<400> 11054

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atgctcgcaa gctcctatag ctcccttctt tccccgtac ctctcaccag cgggtgtcttc 180
ggtatgtgaa aacccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat 240
cttaccttta tcacccttgt tctccaaca atcatcagcc ctattacaac agttaocttt 300
ggtgcattta ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 360
ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactag gttcattgaa 420
ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc 480
ccagcaattt ctccattca accaactagc agcattgaac tctctgtctt atttacagca 540
gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca 600
accacagttg ttgccgttct accagcacgt tgcgcctaac gctggcacc ctttacaact 660
gcaaca 666

<210> 11055

<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-G8

<400> 11055

ttttcaaaac nacaccaagc gaagcgact agcaacgacc taacaccaat ggctaccaag 60
aattagccct ccttgcgctt cttgcccttt tagtgagcgc aacaaatgcg ttcattattc 120
cacagtgtct acttgctcct agtgccagta ttccacagtt cctcccacca gttacttcaa 180
tgggcttcga acatccagcc gtgcaagcct acaggctaca actagcgctt gcggcgagcg 240
ccttacaaca accaattgcc caattgcaac aacaatcctt ggcacatcta accctacaaa 300
ccattgcaac gcaacaacaa caacaacagt ttctgccatc actgagccac ctagccgtgg 360
tgaaccctgt cacctacttg caacagcagc tgcttgcac caaccactt gctctggcga 420
acgtagctgc ataccagcaa caacaacagc tgcaacagtt tatgccagtg ctcaagtcaac 480

tagccatggt gaacctgcc gtctacctac aactactttc atctagcccg ctgcggtgg 540
gcaatgcacc tacgtacctt caacaacagt tgctgcaaca aattgtacca gctctgactc 600
agctagctgt ggcaaaccct gctgcctact tacaac 636

<210> 11056

<211> 282

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-G9

<400> 11056

ggggcgagcagn tgngcgaggc gngagggag gggagggaca ggcgctgcct tttttatgtc 60
cacgacaacg gggntngcnc gggttttttt ttttttttcc ggccggnac cgccgggag 120
aggggggagg cggagggccc cccccgcgc gcgctgggccc tgccgctgcc gcgttgtcag 180
cggctgcagg acgtgaggct ggagtgccgc tgcccgaca tgcccgctgt ggtgaggcgc 240
tgccggtgn gcttgccgat tcttttggg gatgggctgg tc 282

<210> 11057

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H1

<400> 11057

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tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat tttccctcaa 120
tgctcacaag ctcttatagc ttccttctt ccccatacc ttccatcaat tatagcttca 180
atatgtgaaa acccagctct tcaaccatat aggttcaac aagcaatcgc agcaagcaac 240
atacctttat cgcccttgtt gtttcaacaa tcgccagccc tatctttggt gcagtcattg 300
gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctctgat caaccaagta 360
gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt caaccaactg 420
tctacactga accctgctgc ttatttgag caacaactat taccatttag ccagctagct 480

actgcctact ctcagcaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540
gctgcttatt tgcagcagca aatactacta ccatttagcc agctagctgc agcaaaccgt 600
gcttccttct tgacacagca acagttgctg cctttctacc agcagtttgc ggc 653

<210> 11058

<211> 453

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H11

<400> 11058

ttttaatgtt aagnaactca atgctggcaa tgttcaagaa gctgcaaggg agacagacgg 60
gtacttcac aaaggtggaa ttgtcacagt gatcaaggat gctttactcc ctagtggaa 120
agttatatga agtgaacgtg cgacatgcag ctgtgtgtct cgacattcga caatgatcag 180
cacctgggta catgcgtgat ctgcagatca gtctgttgga gatcatcgga gcaataaaaag 240
tgtcatccaa ggcatttttt ctttcttttt gctcttttgt gtccttcaat gttgtagggt 300
agaatgttgt agcagcaa at gttagttaca tgttgaatcg acattggggg cctggatttg 360
gggatacatc atgctgtaaa ttgatcagtt taattaccat actgtgctgc tttgagcgaa 420
gccatggaga ccatgctcca cttttgtgcc ntg 453

<210> 11059

<211> 566

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H12

<400> 11059

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cctgaagctt ctagacgttc gaggaggagg aggaggaggg gaggctccc cgcgcgccgt 120
agccatggcg tccaccaagg tgcagcgtat catgaccag cccatcaacc tcatctgggg 180
tgggctgcag agtttttttc tcatccagat ctggctcttc gagcagaagg acctccgat 240
tgagggtcgc atcatcgat tcgatgagta catgaacttg gtctcgaag atgctgagga 300

aatcaacgtc aagaaaaaca ctaggaagac actgggccgg atactcctca aaggtgacaa 360
cataactttg atgatgaaca gtggcaagtg aaagttctta tggcaggaac gatgtttggt 420
gctcgcgttg agtatttctg gcacgttgta ctccatccat tcagacttac atgtatcatg 480
tcattgtgga ttagtgagag agttgtacct gctgttaatg acctgagtaa aattatgcta 540
gatgctggtc acttgtgtgt gccnna 566

<210> 11060

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H2

<400> 11060

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atthttgctc cttatgctcc ttggtctttc tgcaagtgtc gctacggcga ccattttccc 120
gcaatgctcg caagctccta tagcttcctt tttttccccc tacctctcac cagcgggtgc 180
ttcgggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg 240
catcttacct ttatcacctt tgttcctcca acaatcatca gccctattac atcagttacc 300
tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 360
aaaccttgct gcctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt 420
gaactctgct tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta 480
ccccagcaa tttcttccat tcaaccaact ggcagcattg aactctcctg cttatttaca 540
gcagcaacaa ctactaccat tcagccagct agctgggtgtg agccctgcta cttctttgat 600
acaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctgg 648

<210> 11061

<211> 665

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H3

<400> 11061

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 atattttccc tccttatgct ccttgctcctt tctgcatgtg ttgctaacgc gacaattttc 120
 cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaatgata 180
 gcttcagtat gtgaaaaccc agctcttcag ccctataggc tccaacaagc aatcgcagca 240
 agcaacatac ctttatcacc cttgttggtt caacaatcgc cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac 360
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
 caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc attcagccag 480
 ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
 aaccccgctg cttatttgca gcagcaaata ctactaccat ttagccagct agctgcagca 600
 aaccgtgctt tcttcttgac acagcaacag ttgctgcctt tctaccagca gtttgcggtc 660
 aaccc 665

<210> 11062
 <211> 650
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-H4

 <400> 11062

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 tcategttct cgtcgtgtgc ctggctctgt cagctgccag cgccctctgca atgcagatgc 120
 cctgccccctg cgcggggctg cagggcttgt acggcgctgg cgccggcctg acgacgatga 180
 tgggcgcggg cgggctgtac ccctacgcgg agtacctgag gcagccgcag tgcagcccg 240
 tggcgggcgg gccctactac gccgggtgtg ggcagccgag cgccatgttc cagccgctcc 300
 ggcaacagtg ctgccagcag cagatgagga tgatggacgt gcagtccgtc gcgcagcagc 360
 tgcagatgat gatgcagctt gagcgtgccg ctgccgccag cagcagcctg tacgagccag 420
 ctctgatgca gcagcagcag cagctgctgg cagcccaggg tctcaacccc atggccatga 480
 tgatggcgca gaacatgccg gccatgggtg gactctacca gtaccagctg cccagctacc 540
 gcaccaaccc ctgtggcgct tccgctgcca ttccgcccta ctactgattc atgatatttg 600

ggaaatctcc tctatccatc tctctctatc tatatatgta ataatgcagt

650

<210> 11063

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-H5

<400> 11063

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gggcacaaca actacaacaa ctgtgctag caaaccttgc tgctactct cagcaacagc 120
agtttcttcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg caacaacaac 180
aactaccatt cagccagcta tctgctgcct acccccagca atttcttcca ttcaaccaac 240
tgacagcatt gaactctcct gttattttac agcagcaaca actactacca ttcagccagc 300
tagctggtgt gagccctgct accttcttga cacaaccaca gttggtgccg ttctaccagc 360
acgctgcgcc taacgctggc acctcttac aactgcaaca attgctgcc a ttcaaccaac 420
ttgctttgac aaaccagca gcattctacc aacaacccat cattggtggt gccctctttt 480
agatttctta tgagttatag ttcaataata aagttttttg tctgatgttt gtggcttccc 540
agaaataaga agtacattt ctag 564

<210> 11064

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-H6

<400> 11064

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aggatccaac aggcaatgc aacaggcatc ttaccattat cacccttggt cctccaacaa 120
ccgtcagccc tattacagca gttacctttg gtccatttgg tggcacaaaa catcagggca 180
caacaactac aacaacttgt gctagcaaac cttgctgcat actctcagca acatcagttt 240
cttccattca accaactggc tgcattgaac tctgctgctt atttgcaaca acaattacca 300
ttcagccagc tagttgctgc ctacccccag caatttcttc cattcaacca actagcagca 360

ttgaactctg ctgcttattt acagcagcaa caactactac cattcagcca gctagctgat 420
 gtgagccctg ctgccttctt gacacaacaa cagttgttgc cgttctacct gcacgctatg 480
 cctaacgctg gcaccctctt acaactgcaa caattgctgc cattcaacca acttgctttg 540
 aaaaacccaa cagtgttcta ccaacaaccc atcattggtg gtgccctctt ttagattgct 600
 tatgagttat agttcataat gaagtttttg gatgattggt gtggcgccc 649

<210> 11065

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-H7

<400> 11065

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 agcgcagcag ctgacggcga tgtgcggcct gcagctgcag cagccaggtc cctgcccttg 120
 caacgcagct gccggcggtg tctactactg aggaaactat gtactgtagt aataatgtaa 180
 tggagccgct gactagctac ctagctcgct agtttactca tttagcggcg atgagtaacg 240
 tagtgtcacc catcaccatg ggtggcagtg tgagcaatga cctgaatgaa ccattgaaat 300
 ggaaaggaat aatatatagg 320

<210> 11066

<211> 378

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H9

<400> 11066

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 cattaacggt gtccaggcca tagcgcagca gctacacctc cagcagtttg gcgatctcta 120
 cattgacctt aatctgnctc aagcgcgggg gggggggggt tttttttttt tttctacata 180
 tcntatctac cctangtact atagtgcacc ggttactccc cccacccttg gcggtgtctt 240
 gtactgaatt ttcacactat tgtagttcgg ggtgaaaat ataagctcag gtatcatcgt 300

atgtgäcatg tgagacttaa ggtgatctaa atagaattct aattatcttt ccatatttaa 360
gttaccagca ggaacaag 378

<210> 11067

<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A10

<400> 11067

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aaaaaaaaaa aangaaaaaa aaaaaaaaaa aaaaaaaaaa aagagggggg ggggggggga 120
aatttttttt ttttttaaaa aaanaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaaaaa 180
aaaaggaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaga aaaaaaaaaa aaaaaaaaaa 240
agaaagaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaagaa 300
aaaaaaagaa aaaaaaaaaa aaaaaaagaa aaaaaaaag aaaaaaaaaa aaaaaaaaaa 360
gaaaaaaaaat aaaaataaaa aaaaaaaaaa gaaaaaaaaa aagaaaaaag ggaagaagaa 420
aaaaaaaaaag aaaataagaa aagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggaaaaa 480
agaaaaagag ataaaaaaat aaaaaaaaaa aaaaagagaa aaaaaaaata aaaaaaaaaa 540
aaagaaaggt agaaaaaaa aaaaaaaaag agaaaaaaga anaääagng aaaaaataaa 600
aaaaaaagga aaaccaaacc cccccccccc ccccc 636

<210> 11068

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-A11

<400> 11068

ataggagctt gccttcttgg gggggggggg gggccagcgg tgtcttcggt atgtgaaaac 60
ccattcttca accctacagg atccaacagg caatcacagc tggcatctta cctttatcac 120
ccttgttcct ccaacaatca tcagccctat tacatcagtt acctttgggg gggggagggg 180
cacttttttt tagggcacia caactacaac aacttgtgct agcaaaccct gctgcctact 240

ctcagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct gcttcttatt 300
 tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc 360
 cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa caactactac 420
 cattcagcca gctagctggt gtgagccctg ctaccttctt gatacaacca cagttgttgc 480
 cgttctacca gcacgctgcg cctaacgctg gcaccttctt acaactgcaa caattgctgc 540
 cattcaacca acttgctttg acaaaccag cagcgttcta ccaacaaccc atcattggtg 600
 gtgccctctt ttagattctt atgagttata gttcaataat aac 643.

<210> 11069

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A12

<400> 11069

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 acaatagcaa tgaagcagaa agtaataact tagattgtgt tgataaagtg actctacttg 120
 aaaataaggt gcagcttgag ccagtaaaag acaatgttcc tggatatctgc gggggggggg 180
 gtgattctnc tttttttcct gagtttgagg ggcctgctga tgctagattc gatgttaaga 240
 ctgcagtga ggtgtactcg ccggaggaat atgaacaact taaatctgag aaggcaaatt 300
 tggagggaga actagcaaag tgcaacaaaa taatagaaga aacaatggct aggttaagt 360
 atatggagaa aaaactggaa gacctgacat ctaagttggc tgacagtgag aaatcaaata 420
 gcttgaatga gacacagttg aagtgtatgg ctgaatccta caagtcactt gaatcaagga 480
 aaattgaatt agaaaatgag atagaagcgt tacgggtccag aatagatgct ctaacagctg 540
 aactctttga tgaaagacag agtcacagcagg aggacttagt taaatacag 589

<210> 11070

<211> 537

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A3

<400> 11070

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agagctggga cccacgctc gtcaacccct gcacctggtt ccacgtcacc tgcgaccgcg 120
acaaccgcgt caccgccta gatcttggtta atttgaactt atctgggtcat ctggtgcctg 180
agcttgggaa actggagcat cttcagtatc tggaacttta taagaataac attcaaggaa 240
caatcccttc tgagcttggc aatttgaaga atctaataag cttcgacttg tacaagaaca 300
acatttcggg gacaatacct cctgcccttg gaaagttgaa gtcccttgta ttcttgctg 360
tcaatggcaa tcatttgact gggcccatcc caagggaact cgctggaata tctagtctca 420
aagttgttga tgtttcaagt aatgatttgt gcgggacgat tcccacgtct ggaccatttg 480
agcatattcc tctgagcaac tttgagaaga acccgcgctt ggaaggtcca gagctac 537

<210> 11071

<211> 526

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A5

<400> 11071

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ttcctttctt ccccatacc tctcaccagc ggtgtcttca gtatgtgaaa acccaattct 180
tcaaccctac aggatccaac aggcaatcgc agcaggcatc ttacctttat cacccttggt 240
cctccaacaa ccgtcagccc tattacagca gttacctttg gtgcatttgt tggcacaaaa 300
catcaaggca caacaactac aacaacttgt gctaggaaac cttgctgcct actctcagca 360
acagcagttt ctccattca accaactggc tgcattgaac tctgctgctt atttgcaaca 420
acaactacca ttcagtcagc tagctgctgc ctacccccag naattttttc cattcaacca 480
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<210> 11072

<211> 626

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A6

<400> 11072

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agggcggcct cggcggcgag gcgctctact tcgcggtcac cctgtggctg tccgtcatgt 120
cgtggatcat cttcacctgg gtcggcgacg gcggggagga cgggaggcgg gggaggaagc 180
gccggggcag ccgcggcagc ccggtgttcg tcggcgcgtc ggggatctgc gacggcaccg 240
ggccccagtg cagcggcggg tacggcatct gcggcacctg cctcgactag cctgctctgc 300
tactagtaag tttgtgtgag cgtcaaaagc gcggccatgt ttgtagctgt agcgtctaca 360
tgtcgtcgtc gatgcgtggc ctcgatggag aagctggcgt tgctctgggtg atatgatgag 420
agcagagcag ctcccctgtg tgaagacaat aagagggagg agcctactca tcagcctact 480
tccatcttgc ttattaggct gctcaaactg agttgtcggt agctcttttt tttatttctc 540
cttcctttaa agtttgatct cgatcctctg taaatttaag ctgcagaaga accaaataca 600
tgaaaaaaaa aaaaaaaggc ggccgc 626

<210> 11073

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A7

<400> 11073

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caatcatggg ttatgcatga gttttgctga tccggagggt gtaattgggt gtgaggatgg 120
tcgagccttt gtatatgata tgtacagcag gagttgctca cgtatttata ggcttcactc 180
ctctcctgtg acatgtttga tgataacgga tgaccagctg attggttggtg gatcaacttt 240
tggaatgta gctattgcag atcaaactc agggcagaag ttaggtgttc taaaatcaga 300
tcatggacca ttggcaataa gatccttata ttctgcaca aattcacaca tgatatttgc 360
tggttcgtca gctgggttatg cacattgctg ggacttaagg actttgaggc ctctctggga 420

aaaaagagtc agcccaaattg tcatctacag cacacgtcat ttgcccgggtg acacggcaac 480
gctggcagtt ggaggcattg acggcggtgct ccgcgttata tgccaaagaa ctggtgacat 540
cattcgagct cttgtcgttg ac 562

<210> 11074

<211> 637

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-A8

<400> 11074

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gtagagaact gctccgggag gaagtagaca aggagagaga gagagaggtc aacagggcac 120
tgccggatcc ggagccaaaa aaaaaaccca gaaggatcca tggctcccgg agccggagac 180
gactctgata ccgcctctta tatccacacg gtgcagcacc tgatagagag gtgcatgacg 240
ttcgggatga gcatggagga gtgcatggag gcgctggcga agcgcgccga cgtccaaccc 300
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tacaggcagt ggatctcgga gaagagaagc gggagtagct cctagtccta gtagcacggg 420
actcgatcgt gtctctctgc tggcttagct cgctttaaat tagcccgtag tgtgtattac 480
gtgtgcttag ttatttttagg atttattatt acttactgtg tttgattagg gaggaataag 540
cggtagggag ggagggaggc ttgtaatgtg attctctgta agcaagcaga gcagtagtca 600
cctgtacggc gcgggctgtg gcgttatgtg tacaggg 637

<210> 11075

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-A9

<400> 11075

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catcgctatc tcgatctcag ccatggcgga ggtggagcag caacaggaca cgccgaagct 120
gttcaaccgc tggaccttcg atgatgtcca ggtgaacgac atctcgctga acgactacct 180

ggctgtgaac gcgactaagc acgcgatgta cctgccgcac accgcggggc gttactccaa 240
 gaagcgggttc cgcaaggcgc agtgcccgat cgtcgagcgc ctcacaaact ccctcatgat 300
 gcacggggcgc aacaacggca agaaggatcat ggctgtccgc atcatcaagc ataccctgga 360
 gatcattcac ctgctcaccg atgccaaacc catccaggtc gtcgtcgacg cgatcatcaa 420
 cagtggaccc cgtgaggatg ccacccgtat tggttccgct ggtgttgtga ggaggcaggc 480
 cgtggatata tcacccctga ggagggtgaa ccaggccatc tacctcctca ccaactggtgc 540
 caggagagat gctttccgga acatcaaaac cattgccgag tgcccttcag atgagctgat 600
 caacgctgcc aagggtcat ccaacagtta cgccatca 638

<210> 11076
 <211> 651
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-117-Q6-K6-B1
 <400> 11076

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 cgagatgcta tcgccaaatc aagaacaagc cataccccaa gtccaggtag tgccgtggtg 120
 tccctgaccc caagattagg atctacgatg ttggcatgaa gagaagggtg ttgatgagtt 180
 tcccctactg tgtgcacctt gtctcttggg agaaggagaa tgtctccagt gaggctcttg 240
 aggctgcccc tattgcctgc aacaagtaca tgaccaagtc tgcaggaaag gatgccttcc 300
 accttcgggt ccgggttcac cccttccatg tccttcgtat caacaagatg ctttcgtgtg 360
 ctggggctga taggctccag actggaatga ggggtgcctt tggcaagcct cagggcacct 420
 gtgctagggt ggacattggt caggtagctc tttctgttcg atgcaaggac aacaatgctg 480
 cacatgccag tgaagctctg cgacgcgcca agttcaagtt ccctggccgc caaaagatat 540
 tgagagcaga aagtggggct tcaccaagtt cagccgtgcc gacttacctg agtacaagag 600
 tgagggtaga attgttctg atggtgtcaa cgcaaagctg ctccgtaacc a 651

<210> 11077
 <211> 641
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-117-Q6-K6-B10

<400> 11077

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ctcctatagc ttcccttctt ccccggtacc tctcaccagc ggtgtcttcg gtatgtgaaa 180
acccaattct tcaaccctac aggatccaac aggcaatcac agctggcatc ttacctttat 240
cacccttggt cctccaacaa tcatcagccc tattacatca gttacctttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc cagcaatttc 480
ttccattcaa ccaactggca gcattgaact ctctgctta tttacagcag caacaactac 540
taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgatacaa ccacagttgt 600
tgccgttcta ccagcacgct ggcctaacy ctggcaccc c 641

<210> 11078
<211> 654
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-117-Q6-K6-B11

<400> 11078

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ccttatgctc cttgggtctt ctgcaagtgc tgctaccgca accattttcc cacaatgctc 120
acaagctcct atagcttctt ttcttcccc atacctctca ccagcgggtgt cttcagtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagcag gcattcttacc 240
tttatcccc ttgttctctc aacaaccgtc agccctatta cagcagttac ctttgggtgca 300
tttggttgca caaaacatca aggcacaaca actacaacaa cttgtgctag gaaaccttgc 360
tgctactct cagcaacagc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
tgcttatttg caacaacaac taccattcag tcagctagct gctgcctacc cccagcaatt 480

tcttccattc aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct 540
 accaccattc agccagctag ctgatgtgag ccctgttgcc ttcttgacac aacaacagtt 600
 gttgccgttc tacctgcacg ctgcgcctaa cgctggcacc ctcttacaac tgca 654

<210> 11079

<211> 516

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-B12

<400> 11079

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 tctcagcaac aacaatttct tccattcaac caactgtcta cactgaaccc tgctgcttat 120
 ttacaacaac aacaactact accattcagc cagctagcta ctgcctactc tcagcggcgg 180
 cagtttcttt tttttaacca attggccgca ctgaaccctt ctgcttattt ccagcagcaa 240
 atactactac catttggcca gctagctaca acaagcccca cttccttttt gaaacaacaa 300
 caattgcttc cgttctacca gcagtttgtg gctaaccctg caaccctctt acaactgcaa 360
 cagttgctgc cttttgtcca acttgctttg acaaaccag cagccttcta ccaacaacac 420
 atcattggcg gtgccatctt ttagattgct tattagttgt aattcaataa tgaagttttt 480
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<210> 11080

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-B2

<400> 11080

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 gctcacttgc tcctagttcc attattccac agttcctccc accagttact tcaatggcct 180
 tcgaacaccc agctgtgcaa gcctatagge tacaacaagc gattgcggcg agcgtcttac 240

aacaaccaat tgcccaattg caacaacaat ccttggcaca tctaacaata caaaccatcg 300
caacgcaaca gcaacaacag ttctaccag cactgagcca cctagccatg gtgaaccctg 360
tcgcctactt gcaacagcag ctgcttgcac ccaaccact tgctctagca aacgtagttg 420
caaaccagca acaacaacaa ctgcaacagt ttctgccagc gcttagtcaa ctagccatgg 480
tgaaccctgc cgcctaccta caacagcaac aactgctttc atctagcccg ctgcgtgtgg 540
ccaatgcacc tacatacctg caacaagaat tgttgcaaca gattgtacca gctctaactc 600
agctagctgt ggcaaaccct gttgcctact tgcaacagct gctt 644

<210> 11081

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-B3

<400> 11081

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acagttcctc ccaccagtta cttcaatggg ctacgaacac ctagctgtgc aagccaacat 120
gcaacaacaa gcgcttgccg cgagcgtctt acaacaacca attgccaat tgcaacaaca 180
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agcactgagc cacctagcca tgggtgaacc tgccgcctac ttgcaagagc agctgcttgc 300
atccaaccca cttgctctgg cgaacgtagt tgcaaaccag caacaacaac agctacaaca 360
gtttctgcca acgctcagtc aactagccat ggtgaaccct gccgcctacg tacaacaaca 420
acaactgctt tcacttagcc cgctcgctgt gggcaatgca cctacatacc tgcaacaaca 480
attgttgcaa cagattgtac cagctctgac tcaactagct gtggcaaacc ctggttgcta 540
cttgcaacag ctgcttncat tcaaccaact gactctgtcg aactctgctg cgtacctaca 600
acagcgacaa cagttactta atccattgtt agtggctaac 640

<210> 11082

<211> 495

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-B4

<400> 11082

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ttgaaaaaa 180
aaaaaagggg gggggtgttt ttagggggat tttttttttt tttggggggg gttaaggggg 240
ttattttttt tttttggggg gaaaataatt aaattggggg ggggggggtt taaaaaaggg 300
ggggggggga aaaaaggggg ggggataaaa attttatttt ttttgaaaaa aatttttttt 360
tagggggggg gaaaaaaga aggggggggtg gaagtttttt tttttaaaaa gggggggggg 420
ttttgtgggg aggggggggtt tttttttttt tgggtattta tttagggggg gggggggggt 480
ttttatttgg ggggg 495

<210> 11083

<211> 90

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-B6

<400> 11083

tattgacagc accccgcac tcctctcctg gacgcgacgc cgtccccaac ctctccgtcc 60
cgcgccgccg ccgcgcctca ctgtgctcgc 90

<210> 11084

<211> 652

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-B8

<400> 11084

tttgtatccc acaacgaaaa ctaccaaaaa attagaaatc cccaaatccg cgagatctat 60
cagtatcgag cgatttaccg atccgattgc tagggtttag tttcgaaaaa gaactctgaa 120
aaaaattctg gtcgagggga ggagacgatg gcagcgcaag tggcggcggg ggtgggtgccg 180
aatgggagcc cgggcgctgt ccccgcggtg gtgtcgccgg gagcggtcgg cgtcggactc 240
ggcgtggcgc agccgctccc gaccacgtcg ctctacgtcg gcgacctgga ggggtccgtc 300

tcggactcgc agctgtacga gctcttcagc caggcggggc aggtggtgtc ggtgcgcgtc 360
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 ttggatgctg caagggcatt ggaagtgtg aactttgtc ctcttaacaa caaacctatc 480
 cgggtgatgt attcaaaccg tgatccaagt agccgcagga gtggatctgc taacattttc 540
 ataaagaatc ttgacaagat gatagacaat aaatcccttc atgagacctt ttcttcattt 600
 ggtaccattc tctcatgtaa ggtagccatg gatgaaggag gccaatccaa ag 652

<210> 11085

<211> 660

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-B9

<400> 11085

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 cttgcgcttc ttgccctttt tgtgagtga acaaatgcgt tcattattcc acaatgctca 120
 cttgctccga gtgccattat tccacagttc ctccctccag ttacttcaat gggcttcgaa 180
 caccagctg tgcaagccta taggctacaa caagcgcttg cggcgagcgt cttagaacaa 240
 ccaattgccc aattacaaca acaatccttg gcacatctaa ccatacaaac catcgcaacg 300
 cagcagcaac aagcactgag ccacctagcc gtggtgaacc ctatcgcta cttgcaacaa 360
 cagctgcttg catccaaccc acttgctttg gcaaacgtag ctgcatacca acaacaacaa 420
 cagttgcaac agttttctacc agcgtcagt caactagcca tgggtgaacc tatcgctac 480
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 ctgcaacaac agttgttgca acaacagttg ctgcaacaaa ttgtaccagc tcttactcag 600
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<210> 11086

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C1

<400> 11086

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cttgggtcttt ctgcaagtgt tgctaccgan accattttcc cacaatgctc acaagctcct 120
atagcttccc ttcttcccc atacctctca ccagcgggtgt cttcaatgtg tgaaacccca 180
attgttcaac cctacaggat ccaacaggca atcgcaacag gcattctacc attatcacc 240
ttgttctctc aacaaccgtc agccctatta cagcagttac ctttgggtcca tttgggtggca 300
caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc tgcatactct 360
cagcaacatc agtttcttcc attcaaccaa ctggctgcat tgaactctgc tgcttatttg 420
caacaacaat taccattcag ccagctagtt gctgcctacc ccagcaatt tcttccattc 480
aaccaactag cagcattgaa ctctgctgct tatttacagc agcaacaact actaccattc 540
agccagctag ctgatgtgag ccctgctgcc ttcttgacac aacaacagtt gttgccgttc 600
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<210> 11087

<211> 118

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C10

<400> 11087

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agttttttgg atgatgtatg tggccaacca gaaataagaa gttacatttc cagattct 118

<210> 11088

<211> 230

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-C11

<400> 11088

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gccaacgagg accgtgacgg gccattatg cacctaccga cgaccacctt caaactgccg 120
agggagaagg atatacccaa gcggaggggca ccgaccaagt gggagctgag aggaaaggcg 180

aaaggaatta ccaagcgcaa aaagaacaag cgggagggga atgagcaaac

230

<210> 11089

<211> 650

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C12

<400> 11089

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cgctcaaadc tcccctccca atggcacccc gtcgctcacg atcaaataatt tcctccccta 120

taagtgaag atcgccaacg aggagataatt gatggcgcta ttggtggacc cacctgacat 180

ggggagggag atgcttattg agatgcacca tctgctgctg cgtaggcac gcagacggcg 240

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cagtctagta tgtgagtcac attgattttt ataatcgatt ttatgcgcca gttcttgctt 360

cgactaatgg gtcctcttcc attttgtaat cacctctgca tgtttactgt atcacttttg 420

taaattacta ttgttccatg ttgtcttcca caacatactg ggctgggtca gcggttagtt 480

tcctattcaa ccatttcgta atgaaggagg tattgggttt taggtaaata tttatttatg 540

attgtgctgg tattatctca ataggctggg aaaatttaaa taacctcata tgacataaat 600

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<210> 11090

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C2

<400> 11090

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ttttacgtnc gggtagattt ggaaagaaaa ttatgtacct ttacctggtg cagacgagag 180

agtttnaata ttaaaggcac atgctcgtag caagcccatc ttgtatgatg ttgatttgga 240

tgcacttggt cgttgtgctg agtgcaacaa tatgactggt gccgagttag tattattggt 300
 gaatgaagta gncatggtat tactggaaga gagatggaat taggtgataa ggggacatta 360
 tgaatgagtt agtgtagtta gattgagatg ttgtagtttt gaacatggtg tatagaaaga 420
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<210> 11091

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C4

<400> 11091

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 gctcctatag ctccccttct tccccatac ctctcaccag cgggtgtcttc aatgtgtgaa 180
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 ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca acaactacta 540
 ccattcagcc agctagctga tgtgagccct gctgccttct tgacacaaca acagttgttg 600
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<210> 11092

<211> 319

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C5

<400> 11092

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ggcgaccaag aattttccct tcttatgctc cttgctcttt ctacatgtgt tgntaacgcg 120
 acaattttgc ttgaatgctc acaagctcct atagcttccc ttattgcacc ataccttcca 180
 tcaattatag gttgaggatg tgaaaactta tttatttaac catataggct taaacaagaa 240
 atgggaggaa gcaacatacc tttatcgaaa ttgatgataa aacaatgatc agatgtatat 300
 ttggtgcaat gattggtat 319

<210> 11093

<211> 627

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-C6

<400> 11093

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 gactagatgt tctagaagga ctaaacgaga agataagaaa gcgtttcaag acaccgaagt 120
 tatcaaatag taacttcgct aagatatgca agcatgcttc tctggcatgg tgccggtgta 180
 ttctcatcaa actggcctca atcactccac tgctgaatc cgcagatgca accaatcagc 240
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 tctcatcccc tgatgggcct gctcaattca aagggttga catgaactgg tttgagacac 360
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 ttacgttaat gaagagcact tataactttt atcgggagag cccttgtgga acatttcctt 480
 caggtatcaa tctctacagc gttacaccat cacaagctcc tattgaaggg ctaccgcaa 540
 ccgtgctgt agttgagacg ctcgacttaa gtattccaag aaaactcctt ctgtgggtat 600
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<210> 11094

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C7

<400> 11094

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 gctaccaaga attagccctc cttgcgcttc ttgccctttt tgtgagcgca acaaatgcgt 120
 tcattattcc acaatgctca cttgtccta gtgccattat accacagttc ctccgaccag 180
 ttacttcaat gggcttcgaa cacctagctg tgcaagccta caggctacaa caagcgcttg 240
 cggcgagcgt cttacaacaa ccaattaacc aattgcaaca acaatccttg gcacatctaa 300
 ccatacaaac catcgcaaca caacagcaac aacagttcct accagcactg agccaactag 360
 atgtggtgaa ccctgtcgcc tacttgcaac agcaggtgct tgcaccaac ccacttgctc 420
 tggcaaacgt agctgcatac caacaacaac aacaattgca acagtttctg ccagcgctca 480
 gtcaactagc catggtgaac cctgccgctt acctacaaca gcaacaactg ctttcatcta 540
 gccctctcgt tgtgggtaat gcacctacat acctgcaaca acaattgctg caacagattg 600
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<210> 11095

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-C9

<400> 11095

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 atgctcgcca gcggcgcgcc cttecgcgcg aagttcccgc gggacgacct cgtgctcgac 180
 gccatcgacg acggcctcct cgcgcgcccc cgccccgcca acgccaccgc ggccttcgtg 240
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 gccttcccca acaggcagtg caagtagcgt cgtcgtcgtc gtcacatgt gtgtgtttgt 420
 gtttgtgtgt gtacaggaaa aaaaaacacc agacggtttg ttgtactcat gtagtggaca 480
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<210> 11096

<211> 630
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-D1

<400> 11096

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ccttggtctt tctgcaagtg ttgctaccga naccattttc ccacaatgct cacaagctcc 120
tatagcttcc cttcttcccc catacctctc accagcgggtg tcttcaatgt gtgaaacccc 180
aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcatcttac cattatcacc 240
cttggtcttc caacaaccgt cagccctatt acagcagtta cctttggtcc atttggtggc 300
acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg ctgcatactc 360
tcagcaacat cagtttcttc cattcaacca actggctgca ttgaactctg ctgcttattt 420
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caaccaacta gcagcattga actctggtgn ttatttacag nagnaacaac tactaccatt 540
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<210> 11097
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<223> unsure at all n locations
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<400> 11097

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tgtacatccg acggacgggt ccagacagca gggagatggg gactgtggag ggaagaagag 180
gctctagtga tcagacaggc gacatgaggt acgtgagtga cttccccgtc tacgatggcc 240
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ccaaccagtt cttcacgcgc gccttcgagg ccggcaggct caagggtcc acgctcctta 360
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ccgaaggagt ggtgacggat ggatcagatg aatgggcaat ctacggcggg accggagagt 420
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 acaagcagga ctccagcatc tctgtcacca agattgggtt atgggggtggc gnaagagggt 600
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<210> 11098

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D11

<400> 11098

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 tectatagct tcccttcttc ccccgtagct ctcaccagcg gtgtcttcgg tatgtgaaaa 180
 cccaattctt caaccctata ggatccaaca ggcaatcgca gctggcatct tacctttatc 240
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 tttgcaacaa caacaactac cattcagcca gctatctgct gcctaccccc agcaatttct 480
 tccattcaac caactgacag ctttgaactc tctgcttat ttacagcagc aacaactact 540
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 gccgttctac cagcacgctg cgcctaacgc tggcaccctc ttacaactgc aacaattgct 660

<210> 11099

<211> 655

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D12

<400> 11099

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tcttatagct tcccttcttc ccccgtagct ctcaccagcg gtgtcttcgg tatgtgaaaa 180
cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc 240
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ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactaggt tcattgaact ctgcttctta 420
tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
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accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaaac cacagttggt 600
gccgtttctac cagcacgttg cgcctaacgc tggcaccctc ttacactgca acaat 655

<210> 11100

<211> 559

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D2

<400> 11100

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tggcgagaca gaggacacct tcattgctga cctctcagtt ggctgtcta cgggtctttt 180
taagacggga gcccttggg gggctgagcg cctgttcaaa tacaaccagc tgctcaggat 240
cgaggaagag ctcggtgatg ccgcggtcta cgccggagca aagttcaggg caccagtgga 300
gccctactaa gaaaggaaga ggatgaggat gttttcttgt ggagctatac tagctcgctg 360
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gctactgagg tgattttgtt gtgggagcac caaaagcaga aaagaaccct tttttttcaa 480
tctgtttaga ttntgacgag tgggtggttg tactcgctgt aatgtngttt gtctaaattg 540
agtttgatgg aacaggaaa 559

<210> 11101
 <211> 645
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-D3

<400> 11101

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 ctctctcttc ctggtcgcgc tctgcctcag gtcactaggc ccggtgcgtc tccgttcgga 180
 gctggattcg tggggcgcgc gcgcttcttc tccatcgacg cctcggctgc gacgcagggc 240
 gggtcgaagc cccctgcgcc accgccggcg ggtactgcgg gcggcgaggg aggggggtgt 300
 ggtcagtctg ggaaatctga acaagcggac gccgggaaag ccgtccgcgg agggccggtg 360
 tcttggtcga gttttctact cctgcttgtg actggaggag ggataatcgt gtactacgac 420
 aaagaaaaga agcgtcacat tgaagaattg aagaatagaa caagtgcgtg gaagcctgga 480
 caatcagtag gcactgcagc cattggcggg ccattcaagc ttttgaatca tgatggaaaa 540
 cctgttactg aaaaggattt cttgggcaaa tggacgctgc tttatatttg atttacacac 600
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<210> 11102
 <211> 595
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-117-Q6-K6-D4

<400> 11102

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 gtgctaggaa acttgctgcc tatctcagca acagcagttt cttccattca accaactggc 180
 tgcattgaac tctgctgctt atttgcaaca acaactacca ttcagtcagc tagctgctgc 240
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acaacagcaa cagctaccac cattcagcca gctagctgat gtgagccctg ttgccttctt 360
gacacaacaa cagttgttgc cgttctacct gcacgctgcg cctaacgctg gcaccctctt 420
acaactgcaa caattgctgc cattcaacca acttgctttg acaaacccaa cagcgttcta 480
ccaacaaccc atcattgggtg gtgccctctt ttagattgct tatgagttat acttcaataa 540
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<210> 11103

<211> 677

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D5

<400> 11103

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atagtagtac attagtacta acaatgtggt tggccatggc atgcttgctt cgagatcaac 180
atgaacaatg gaagcacaag tacgagaatc catgtagaag cgtgaagatt ttccggtgcc 240
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aaccactctg tccaggagct cctgtatgcc actggtgtgg tacctggaaa ggtgataaaa 360
tatgtagtag ctgcaagaaa gcaaggctact gttatgagaa acatcatgca ttgcattggc 420
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attacctccg cctgatggcc cttattaaca acaaaatgga attgagggta tccatggaga 660
tgcattagc tgaactc 677

<210> 11104

<211> 657

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D6

<400> 11104

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agcagccatg gcggccgagc cggagaagca ggcggccccc gcggcacagg agacggccgt 180
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gaacgccgcc agcggcttct ccgcgaagct cccccccag caggtcaagg atctcaagga 360
gcaaccaggt gttctccagg ttgtgccgag ccagacttac cagctacatg gccctgggtc 420
tggcactcac cagggcacga cacacacctt gggccttatg tgaaggcgta tgagaatcaa 480
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<210> 11105

<211> 661

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D7

<400> 11105

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tcacaagctc ctatagcttc ctttcttccc ccatacctct caccagcggg gtcttcagta 180
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gctgcctact ctacgaaca gcagtttctt ccattcaacc aactggctgc attgaactct 420
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ttgttgccgt tctacctgca cgctgcgcct aacgctggca ccctcttaca actgcaacaa 660

t 661

<210> 11106

<211> 659

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D8

<400> 11106

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gttgctatgc acatgcagct gttaaagcag ggttacacaa gcacattctt cattcatcgt 120

caaaacagat ggtaaacgat cttgagaatt cagggcgggc attttcaggc ccatcacatg 180

gttggaagc tggcattagt ctcccggagg atctcgcaga ttgtttgaa gcaatagctg 240

gcgcaattta cgtggacagc gggaacgaca aagagggtgt ctggagtgcc atcaggcggc 300

tactggaacc tcttgccacc cccgggacca tggagcctga ccccggtgctg gaactgaagg 360

aattatgcga gcacaaacac taccctaagc catcgtactc tccaactcgt gacagtgtag 420

ctggagtgac aagggtggtt gcacagggtga cggctgcgcg gactgtgtac tccgggactg 480

gaacaggccg caaccaggat gtggcagagg ttctcgtctg aaaggctctg ctcaaaaaga 540

aaaggccgca gcaagaggat gaagcttgga cttggcttgg accgggaggg catttgatat 600

ttgggaattt gcgcacatga tagctgttct cgcagaggta acaaaacanc tactgtagt 659

<210> 11107

<211> 652

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E1

<400> 11107

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agtatcaagt gtttcttgta cacagacagg cggctgcagc tgtgggtcaac aacaaagcca 120

tgagcagcaa catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc 180

acaacatcac cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca 240
tcagcaacaa caagaagttc atgttcaaca acaacaacaa caaccgtagt accaccacca 300
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ttatgagtaa taacatnaan aacnaattta gggttatgat aagtagnaag aangagaana 480
gtgttagnaa tattagtagg gttaggataa attataatag taatattgga atttggagga 540
gtagtaatag atagaggtgt atttttaata gtataggagt tgttaaatta ataaattgga 600
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<210> 11108

<211> 649

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E10

<400> 11108

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tgtggccaat gcacctacat acctgcaaca acaattgttg caacagattg taccagctct 600
gactcagcta gttgtggcaa accctgctgc ctacttgcaa cagctgctt 649

<210> 11109

<211> 639

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E3

<400> 11109

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aatgctcact tgctccaagt tccattatta cacagttcct cccaccagtt acttcaatgg 180

gcttcgaaca cccagctgtg caagcctata ggctacaaca agcaattgcg gcgagcgtct 240

tacaacaacc aatttcccag ttgcaacaac aatccttggc acatctaaca atacaaacca 300

tgcgaacgca acagcaacaa caattcctac cagcactgag ccacctagcc atggtgaacc 360

ctgccgccta cttgcaacag cagttgcttg catcaaacc acttgctctg gcaaacgtag 420

ttgcaaacca gccacaacaa cagctgcaac agtttctgcc agcgctcagt caactagcca 480

tggtgaaccc tgccgcctac ctacaacagc aacaactgct ttcactctagc ccggtcgctg 540

tggccaatgc acctacatac ctgcaacaac aattgttgca acagattgta ccagctctga 600

cttagctagt tgtggcaaac cctgctgcct acttgaac 639

<210> 11110

<211> 301

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E4

<400> 11110

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cgacctata aactgcttc actgttattt aataccgtgc atgaggacat atgttggggt 180

aatttcagaa cgtgatatzg tttcaatctt tttttttctc gaacgcacag gagaactgcg 240

catcattata ttaagagagg aaaggccaa agtggaccga aatatagcac cttgagggca 300

g 301

<210> 11111

<211> 649
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-117-Q6-K6-E5
 <400> 11111

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<210> 11112
 <211> 645
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-E6
 <400> 11112

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<210> 11113

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E7

<400> 11113

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<210> 11114

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E8

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ccagcaccta tttctaattg ctagccagga tgattttgca ctttgctgga gcacagggtt 360
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<210> 11115

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E9

<400> 11115

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actactacca ttcagccagc tagctgggtg gagccctgct accttcttga tacaaccaca 600
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<210> 11116
<211> 628
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-117-Q6-K6-F1

<400> 11116

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aagccatcac aacgcaacag caacaacagt tcctaccagc actgagccac ctageccatgg 180
tgaaccctgc cgcctacttg caagagcagc tgcttgcac caacccaatt gctctggcga 240
acgtagtgtc aaaccagcaa caacaacagc tacaacagtt tctgccaaag ctcagtcaac 300
tagccatggt gaaccctgcc gcctacgtac aacaacaaca actgctttca tctagcccgc 360
tcgctgtggg caatgcacct acatacctgc aacaacaatt gttgcaacag attgtaccag 420
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accaactgac tctgtcgaac tctgtgcgt acctacaaca gcgacaacag ttacttaatc 540
cattggtagt ggctaacca ttggtcgncg ncttctaca gcagcaacaa ttgctgccat 600
acaaccagtt ctttttgatg aatcctgt 628

<210> 11117
<211> 664
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-F11

<400> 11117

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tttcatcgtc ctgcacggga ttggggacca gtgcgccaac catggcggtg ccaagttcac 180
taaacttctc gccgattggt cgggtccga cggctactgc ctagagattg gcagaggaac 240
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tggtcgagca gtggttgagt actgtgatga tggaccgccg gtcaagaatt tcattctctt 420
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 tattgttgat gctctgatta aattggagat ctactcagac tatgtgcagg aacatcttgc 540
 acctagtggc tacctcaaaa tcccaactga tatggcagat tatctgaaga gttgtagggt 600
 tcttccaaac ttaacaatga aattccagat aaaagaaagc cacctacaag gaaagatcag 660
 tagc 664

<210> 11118

<211> 541

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-F12

<400> 11118

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 taccactcat actacaaaaa taatccatgc agcagcaatg acattagtgg tgtgggcggg 180
 tgaagaattt tttttaccta gccgttatac tcctataacg gtgttaagca ataaagtacc 240
 atacattaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 aaaaaaaaaa aaggaaaaaa atataaaaaa aaaaaaata aaagaaagtt tgaaaagaaa 360
 aaaaaataat tatttatata gagaaaaata aaattaaaaa aaaaaaaagg ggggggtggc 420
 ttttgggggg aaaggtttta accctggggg tgcccaacta aatggttttt ttttggggcc 480
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 g 541

<210> 11119

<211> 676

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-F2

<400> 11119

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ggcgagcgtc ttacaacaac caattgccca attacaacaa caatccttgg cacatctaac 180
catacaaacc atcgcaacgc aacagcaaca acaatttcta ccagcactga gccaaactagc 240
tgtggtgaac cctgtgcgct acttgcaaca gcagttgctt gcatccaacc cacttgctct 300
ggcaaacata gttgcatacc aacaacaaca acaattgcaa cagtttctac cagcgctcag 360
tcaactagcc atggtgaacc ctgccgccta cctacaacag caacaactga tttcatctag 420
ccctctcgct gtggttaatg cacctacata cctgcaacaa cagttgctgc aacagattgt 480
accagctctg actcagctag ctgtggcaaa cctgctgccc tacttgcaac agctgcttcc 540
attcaaccaa ctgactgtgt cgaactctgc tgcgtacctt caacagcgac aacagttact 600
taatccacta gcggtggcta acccattggg cgttgccctt ctacagcagc aacaattgct 660
gccatacaac cagttc 676

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<210>      11120
<211>      267
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3061-117-Q6-K6-F3

<400>      11120

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caacagttgc tgcccttgtt ccaacttget ttgacaaacc cagcagcctt ctaccaacaa 180
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ttttggctga tgtatgtggc ctccctag 267

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<210>      11121
<211>      657
<212>      DNA
<213>      Zea mays

<223>      unsure at all n locations
<223>      Clone ID: LIB3061-117-Q6-K6-F6

<400>      11121

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 cttgggtcgac ggaggattta ctatgatacc agttgtgggtg aagctctaat ttgcagtgat 180
 agtgaagatg aagccattga agatgaggag gaaaaaaagg aatttaaaca ttctgaagat 240
 cacattattc ggatgacagt tcaagaatgt ggcattgtctg atgctgtact gcaaacgcta 300
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 tgtctagtgt ttgattgcaa gctacatggg tgttctcaag atttagtatt tcctacagaa 540
 aaacaccagc ttggagtggc gttgatgaca gtgtaccctg tggatttcat tgccataaac 600
 tggcatctga accagattct gctgctgggtg ctgatcacat gctttttgat gttgagg 657

<210> 11122

<211> 659

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-F7

<400> 11122

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 caacgacgag atgcgcgtca aggtggccga cttcggcacc tcttgcttgg agaccaagtg 180
 ccaggccacc aagggcaaca agggcaccta ccggtggatg gcgcgggaga tgaccaagga 240
 gaagccctac acgcgcaagg tggacgtgta cagcttcggc atcgtgctct gggagctcac 300
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 gaagaacctg cgcgcgcgcg tgctcgagctc gtgcccgcgc gtgctcaaca acctgatcaa 420
 gaagtgctgg tcggcgaacc cggcgcggcg gccggagttc agctacattg tgcggtgct 480
 ggagaagtac gaccactgcg tgaaggaggg gatgccggtg acggcgcacc aggagctcag 540
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accggtgcat gcgtgatcca tctcttggtt caccttcttc cttccgtaaa ctgagtgt 659

<210> 11123

<211> 664

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-F8

<400> 11123

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catcaatact cacaagctcc tatagctgcc cttcttcccc cataccttcc atcaatgacc 180

gcttttagtat gtgaaaaccg agcccttcaa ccctacagga tccagcaagc aatcgcaaca 240

agcaacttac ctttatcaca cctgttcttt caacaatgcg cagccctatc tttggtgcag 300

tcattggtac aaaccatcag ggcagaacag ttgcagcaac tcgtgctacc agtgatcagc 360

caagtatctc tggcaaacct tccccctac tctcagcaac aacaatttct tccattcaac 420

caactgtcta tactgaacct tgctgcttat ttgcagcaac aacaactact accattcagc 480

cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 540

ctgaaccctt ctgcttattt ccagcagcaa atactactac catttggcca gctagctaca 600

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gcta 664

<210> 11124

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-F9

<400> 11124

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aacaggcatc ttaccattat cacccttggt cctccaacaa ccgtcagccc tattacagca 120

gttacctttg gtccatttgg tggcacaaaa catcagggca caacaactac aacaacttgt 180

gctagcaaac cttgctgcat actctcagca acatcagttt cttccattca accaactggc 240

tgcattgaac tctgctgctt atttgaaca acaattacca ttcagccagc tagttgctgc 300
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gacacaacaa cagttgttgc cgttctacct gcacgctatg cctaacgctg gcaccctctt 480
aaaactgcaa caattgctgc cattcaacca acttgctttg aaaaactcaa cagtgttcta 540
ccaacaaccc atcattggtg gtgccctctt ttagattgct tatgagttat agttcaataa 600
tgaagttttt tg 612

<210> 11125
<211> 648
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-117-Q6-K6-G10
<400> 11125

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cctatagctt cccttcttcc ccctacctc tcaccagcgg tgtcttcaat gtgtgaaacc 180
ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt accattatca 240
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ttcagccagc tagctgatgt gagccctgct gccttcttga cacaacaaca gttgttgccg 600
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<210> 11126
<211> 525
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-117-Q6-K6-G11

<400> 11126

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ttcttatttg caacaacaac aactaccatt cageccagcta cctgttgccct accccaaca 180
atttcttcca ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca 240
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gttggtgccc ttctaccagc acgctgcgcc taacgctggc acctcttacc aactgcaaca 360
attgctgcca ttcaaccaac ttgctttgac aaacctagca gtgttctacc aacaacccat 420
cattgggtggg gccctctttt agattttctta tgagttatag ttcaataata aagttttttg 480
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<210> 11127

<211> 630

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-G12

<400> 11127

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tgatccgggc gacgccaaga acgcgcacct ggcggcgatg gacggcgccg gggaccggct 180
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cactcagaac tggtagctg tctccaagac actcgcggag ctggaagcgc ttgattacgc 540
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<210> 11128
 <211> 629
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-G2

<400> 11128

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cgtctgccaa ggcgaggtcg agcggcagag gctcagggac ctgcagtgtt ggcaggaggt 180
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<210> 11129
 <211> 608
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-G3

<400> 11129

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 cctggattct cggcggcgga acgatgccct ccaagtaact gcgaagagca tagtgcatga 540
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<210> 11130
 <211> 649
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-117-Q6-K6-G4
 <400> 11130

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<210> 11131
 <211> 638
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-G5

<400> 11131

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tggactggga atagagtaac ttgccgtgat tggttccagc taaccctgaa agaaggactg 180
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<210> 11132

<211> 652

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-G6

<400> 11132

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gtcctatag ctcccttct tccccatac ctctcaccag cgggtgtctt aatgtgtgaa 180
acccaattg ttcaacccta caggatcaa caggcaatcg caacaggcat cttaccatta 240
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<210> 11133

<211> 645

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-G8

<400> 11133

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tgctcacttg ctctagtgc cattatacca cagttcctcc gaccagttac ttcaatgggc 180

ttcgaacacc tagctgtgca agcctacagg ctacaacaag cgcttgcggc gagcgtctta 240

caacaaccaa ttaaccaatt gcaacaacaa tccttggcac atctaaccat acaaaccatc 300

gcaacacaac agcaacaaca gttcctacca gcaactgagcc aactagatgt ggtgaaccct 360

gtcgcctact tgcaacagca ggtgcttgca tccaaccac ttgctctggc aaacgtagct 420

gcataccaac aacaacaaca attgcaacag tttctgccag cgctcagtca actagccatg 480

gtgaaccctg ccgcctacct acaacagcaa caactgcttt catctagccc tctcgttgtg 540

ggtaatgcac ctacatacct gcaacaacaa ttgctgcaac agattgtacc agctctgact 600

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<210> 11134

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H1

<400> 11134

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tgtecaactt gctttgacaa acccagcagc cttctaccaa caacacatca ttggcggtgc 180

catcttttag attgcttatt agttgtaatt caataatgaa gttttttggc tgatgtatgt 240

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
 aaaaaaaaaa aaaaaaaaaa aannnnnnnn naaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
 aaaaaanaaa aaaaaaaaaa aaaaaaaaaa aaaaaaannn nnaaaaaaaaaa aaaaaaann 540
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<210> 11135
 <211> 657
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-H10

 <400> 11135

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 gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aaccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
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 tatttgcaac aacaacaact accattcagc cagctacctg ttgctacct ccaacaattt 480
 cttccattca accaactggc agcattgaac tctctgtctt atttacagca gcaacaacta 540
 ctaccattca gccagctagc tgggtgtgagc cctgtacct tcttgacaca accacagttg 600
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<210> 11136
 <211> 602
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H11

<400> 11136

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gaggcggcgg cggcggcggg tacggtggtg gccgtggagg cggcgggtgg ggggggggcg 180
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ggctccagca gacccatgca tcaaccagca tggactgcgg atcgatgggt gctgttacct 540
ccgtcaggct ttattctaag ttaaatacta aggaagaaaa ggtgcttntt ggtgctgcaa 600
aa 602

<210> 11137

<211> 514

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H2

<400> 11137

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gcctacctac aacagcaaca acttctttca tctagccgcg tcgctatggg caatgcacct 120
acatacctgc aacaacagtt gttgcaacaa cagttgctgc aacaaattgt accagctctt 180
actcagctag ctgtggcaaa ccctgctgcc tacttgcaac aactacttcc attcaaccaa 240
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cagttctctt tgatgaacct tgccttgctg tggcagcaac ccatcggttg tggtgccatc 420
ttttagatta catatgagat gtactcgata atggtgcctt catagcggca tgtgtttcct 480
aaaaataaca atatattgat tgagatttat ctcg 514

<210> 11138
 <211> 645
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-H3

<400> 11138

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 gaccgtggag ggaaggccat ccgaccagct gggcaggaga aacctcactg acagccccgt 180
 atttgacggc cgtggccctg acgccagcct cgtggctcgc gtacaggag tgcctacca 240
 gatgggagac gtgcgccagt tgtacaccgt cgtgttccag gagaggccgc tcaagggtc 300
 cacgctcgtc accgaaggcg cgatgacaga agggtcagac gaggggcga tctacggtg 360
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 cggcggggaac tccgacgagc ttgccgtgga ggttctctgc ccggtgttcc gcccgggcgc 480
 gtttggtcga tcgtcgtcac agccagcagc aaaggacatc agctccaccg tcgtcgtcac 540
 caaggtcga gtgtgggtg gagaggagg gtcgggcag gacatcgga cgacggagcc 600
 gccgaggcgt ctgcagagcc tgaccgtccg ccggggcgtt gccgt 645

<210> 11139
 <211> 562
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-H4

<400> 11139

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 tgtgctagca aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact 180
 agctgcattg aactctgctt cttatttgca acaacaaca ctaccattca gccagctacc 240
 tgetgectac cccagcaat ttcttccatt caaccaactg gcagcattga actctctgc 300

ttattttacag cagcaacaac tactaccatt cagccagcta gctggtgtga gccctgctac 360
 cttcttgata caaccacagt tggtgccgtt ctaccagcac gctgcgccta acgctggcac 420
 cctcttaciaa ctgcaacaat tgctgccatt caaccaactt gccttgacaa acccagcagc 480
 gttctaccaa caacccatca ttggtggtgc cctcttttag atttcttatg agttatagtt 540
 caataataaa gttttttgtc tg 562

<210> 11140

<211> 543

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H5

<400> 11140

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 tgttccgctt ttgggtanng ccgggtggga tnncgaaatc tgtgtggcan cccaatatgg 180
 ctgcnnngtc gaggggacga aagaagaagg taanntcatc gacaccgacc ccgngaattg 240
 atgaacgcga tggncatct tcttggcgct gcggtcgcgc gagctggagg tgctgggcct 300
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 ggaggctgtt ggcaggactg acatccccgt ggcagaggga tcccatgtaa cgatcaagaa 420
 agccaccaag ctgaggatcg caagcttcgt ccacggttca gacggcctgn gaaaccagga 480
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 ggc 543

<210> 11141

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H6

<400> 11141

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acaaagtatc tgaagtacat gtttttttag ccatatgccg aggttttttg gaccggatgg 120
 gacaggatgt gctgagtttc ctggagaatc gcaaagaaaa caaagcctgg tataaagggtg 180
 cacgagtcgc aatctcagta ttggatgata cttttgcac ccagctgcaa cagctgctag 240
 gtaatacagt cccaccgaag gacctagagc caccagatc tatcgtggaa gttcgttcta 300
 ttctctgcaa agatgcaccc cgccagaaga attctagttt ctattattga tgatcaggct 360
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 aaagtgccca aatagcpgga tctttataaa gaaactagag gaggctcaat ggtatctgag 480
 aagcttgccct tgtgttacac catatctttt tgctagttaa attggctatg ttccattgac 540
 ctgtggatgt ggactacatt cggaaagtgg attgtgcttc agagtgtagt ccaattgaca 600
 ttgtaggtta gcttcattgg taacacttac ctgtggttaa gcagttgc 648

<210> 11142

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H7

<400> 11142

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 ctcaaaagct cctatagctt cccttcttcc cccgtacctc tcaccagcgg tgtcttcggg 180
 atgtgaaaac ccaattcttc aaccctatag gatccaacag gcaatcgcag ctggcatctt 240
 acctttatca cccttggttc tccaacaatc atcagcccta ttacagcagt tacctttggg 300
 gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaacct 360
 tgctgcctac tctcagcaac aacagtttct tccattcaac caactagctg cattgaactc 420
 tgcttcttat ttgcaacaac aacaactacc attcagccag ctatctgctg cctaccccca 480
 gcaatttctt ccattcaacc aactgacagc tttgaactct cctgcttatt tacagcagca 540
 acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct tgacacaacc 600
 accaattgtt gccgttctac cagcagctg cgcctaacgc tggcaccctc ttacactg 658

<210> 11143
 <211> 634
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-H8

<400> 11143

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cattcatgtc ctgggtggat gacgttagaa agctcaagg cctggcaaac gcggataccc  180
ctgaggatgc attggctgcg cggaacaacg gggcagaagg aatcgggtta tgccggacag  240
agcacatgtt cttcgcttcg gatgagagga ttaaggctgt gaggcagatg attatggctc  300
ccacagttga gctgaggcag caggcgctgg atcgcttct gccttaccag aggtctgact  360
tcgaaggcat cttccgtgct atggatggac tttcagtga tactcgactt ctggaccctc  420
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gatgcttggc ttccgtggct gcaggcttgg tatatcgta cctgagctaa cagaaatgca  600
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<210> 11144
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-H9

<400> 11144

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ggtgcatgaa gtgcagcaag cactgcagct gctgagagtt atatgacaga agtattcata  180
gtatagtaca gcgcagatga atattatagt ctcttcttcc aagggttttg tcgattcgag  240
gaacagatta gtcaaatttt gtggtgttta gacttctgac ctccgtttgt gcatagctca  300
gcttcacca aaactatctg ctgtcaccta accaagatgt tctggtctgt gatgtaagac  360

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atgtttatac atttttttaa aaaaagaaac aaactgtact ttcgacttt 409

<210> 11145

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-A10

<400> 11145

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ctccttatgc tccttggctt ttctgcaagt gctgctacgg cgaccatttt cccgcaatgc 120

tcgcaagctc ctatagcttc ctttcttccc ccgtacctct caccagcggg gtcttcggta 180

tgtgaaaacc caattcttca accctacagg atccaacagg caatcacagc tggcatctta 240

cctttatcac ccttggtcct ccaacaatca tcagccctat tacatcagtt acctttgggtg 300

catttattgg cacaaaacat cagggcacaa caactacaac aacttgtgct agcaaacctt 360

gctgcctact ctcagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct 420

gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag 480

caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa 540

caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt gatacaacca 600

c 601

<210> 11146

<211> 631

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-A12

<400> 11146

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tctgcaagtg ctgctacggc gagcattttc ccgcaatgct cacaagctcc tatagcttcc 120

cttcttcccc catacctctc accagcgatg tcttcagtat gtgaaaatcc aattcttcta 180

ccctacagga tccaacaggc aatcgcagca ggcattcttac ctttatcacc cttgttcttc 240

caacaatcat cagccctatt acagcagtta cctttgggtgc atttattggc acaaaacatc 300

agggcacaac aactacaaca actcgtgcta gcaaaccttg ctgcctactc tcagcaacag 360
 cagttacctt tgggtgcattt gttggcacia aacatcaggg cacaacaact acaacaactc 420
 gtgctagcaa accttgctgc ctactctcag caacaacagt ttctgccatt caaccaacta 480
 gctgcattga actctgctgc ttatttgcag caacaacaac tactaccatt cagccagcta 540
 gctgctgcct acccccggca atttcttcca ttcaaccaac tggcagcatt gaactctcat 600
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<210> 11147

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-A2

<400> 11147

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 ccaacaaccc atcattgggt gtgcctctt ttagatttct tatgagttat agttcaataa 420
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<210> 11148

<211> 516

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-A3

<400> 11148

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cagcatcgga tcgatggagg gctgggacaa ggggaccaag agcacggtgg gcgagatccc 120
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gaagatctgc ctcaccgtgc acttcaagcc gctgtgggccc aagaactgcc cgaggttcgg 480
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<210> 11149
<211> 599
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-A6
<400> 11149

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cagctagcta ctgctactc tcagcaacaa caacttcttc catttaacca attggccgca 540
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<210> 11150
<211> 638
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-K6-A9

<400> 11150

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<210> 11151

<211> 599

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-B1

<400> 11151

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tactaccatt actcctactc tgtgtacgt ggatgtgacc gtatagtccc tgtggacatc 540
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<210> 11152
 <211> 499
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-B10

<400> 11152

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 acaacaaaaa attacctaaa gcaaccctg ctattaatcg ggccaatcat ttgaacgggg 480
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<210> 11153
 <211> 597
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-K6-B11

<400> 11153

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<210> 11154

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-B12

<400> 11154

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 agtggggact ggggaggcct tctcgccatg atcatttttg ttgtttttgt tattcaataa 360
 ttaggtattc ttttgactaa caatagcaca ttggaaacca cacagtttgg ctgatgtcct 420
 tgcaaatcca ttccatgcac tgttttatgt ggtcttcatg ctgtcagcct gtgctctgtt 480
 ctcaaagaca tggattgaag tttctggttc atcagcaaag gatgttgcta agcagctcaa 540
 ggaacaacaa atgggtgatgc caggccatcg tgagtogaac ttgcagaaag aacttaa 597

<210> 11155

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-B2

<400> 11155

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 aaaaatgtca tgaattccta aggcagcagt gcagcccttt ggtaatgcct tttctccaat 180
 cacgtttgat acaaccaagt agctgccagg tattgcagca acaatgttgt catgatctta 240

ggcagattga gccacaatac attcaccaag caatctacaa catggttcaa tccataatcc 300
aggaggagca acaacaacaa ccatgtgagt tatgtggatc tcaacaagct actcaaagtg 360
cgggtggcaat cttgacagca gcacaatacc taccatcaat gtgcggcttg taccactcat 420
actaccaaaa taatccatgc agcagcaatg acattangtg gtgtttgcaa ttgaagaatt 480
gtgtctacct agccgttata ctcatataac ggtgttaagc aataaagtac catacattat 540
gatgtttgta ctatgatatt tgaataagaa tactaattgt aattataatg ctacct 595

<210> 11156

<211> 580

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-B3

<400> 11156

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ctggttcttc ttggagatgt aggcgctggc aaatctagct tggttcttcg gtttgtcaag 180
ggacagtttg ttgaattcca ggaatcaaca atcggagcag ctttcttttc ccagacctta 240
gcggtaaatg atgagactgt taagtttgaa atctgggata ctgctgggca ggagaggtat 300
catagcttgg ccccatgta ttataggggt gcagccgcg ccattgttgt ctatgacatc 360
acaaatccgg cctccttcac ccgtgccaaag aaatgggttc aagaacttca agctcaagga 420
aatccgaata caatagtggc tcttgctggc aacaagggtg atatgctaga tgcgaggcac 480
gtggcagtag aggaagcaaa gacgtatgcc caggagaacg gtctcttctt catggagaca 540
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<210> 11157

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-B4

<400> 11157

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atcgtctaaa atctcataag gttcaacttc aacaaaagat caagcaagag tctgaacagt 120
 ttaggtcttg gaaggctgcc cgtgaaaagg aagtacttca gctcaagaag gaagggagac 180
 gaaatgaata tgagatgcac aagctcttgg ccttaaatac gaggcagaag atggtcttac 240
 agaggaaaac tgaggaagca gctgctgcta caaaaagatt gaaggagtgt ctggaagcaa 300
 agaagtcatac acgggaaaca tatggcagtg caaatgggtc ggggatgcag gccttaatac 360
 gagctattga ggatgaacta gaagtcactg taagagcaca cgaattgcgc tcatattacg 420
 agcgacaaat gcaagagaga gcagcaatat ccaaggaaat agcaaaacta aaggaggaat 480
 caaagcacia gatcagtgat tgtcctcaag ctatgtcacc tagtgctaga agttctagga 540
 tatcagcatt agagaatatg ttgtgctcat catctagtgc tatggtatct atggcttctc 600
 aactgtcaga agcagagagc gggagcgtgt attcatgc 638

<210> 11158
 <211> 562
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-B5
 <400> 11158

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 ggaagctgtc atgcacataa aagctgctgt agatgctagg aaagagagtg gctctgacat 180
 tgttattgta gcaaggacag attctcgcca agctatttct catgatgaag cattatggag 240
 ggtgaaagca ttgctgatg ctggagcaga tggtctatct attgatgcc ttgcttcagt 300
 agaagagatg aaagcatttt gtgcggttgc accagaagtt ccaaagatgg caaacatgtt 360
 agaaggtggt ggtaaaactc ccatattgag ccctgctgaa cttgaggaaa ttggtttcag 420
 gcttgtagta taccctttat ccttagttgg ggtatcaatg cgtgcaatgc aggatgctct 480
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 caaggatata ttgggtttca ac 562

<210> 11159

<211> 628
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-K6-B9

 <400> 11159

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ccattattcc acaatgctca cttgctccta gttccattat tccacagttc ctcccaccag 180
ttacttcaat ggcttgcgaa caccagctg tgcaagccta taggctacaa caagcgattg 240
cggcgagcgt cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
caatacaaac catcgcaacg caacagcaac aacagttcct accagcactg agccacctag 360
ccatggtgaa cctgtgcgcc tacttgcaac agcagctgct tgcattccaac ccacttgctc 420
tagcaaacgt agttgcaaac cagcaacaac aacaactgca acagtttctg ccagcgctta 480
gtcaactagc catggtgaac cctgccgcct acctacaaca gcaacaactg ctttcatcta 540
gccgctcgc tgtggccaat gcacctacat acctgcaaca agaattgttg caacagattg 600
taccagctct tactcagcta gctgtggc 628
  
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<210> 11160
 <211> 568
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-K6-C1

 <400> 11160

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cttcttgccc ttttagtgag cgcaacaaat gcgttcatta ttccacagtg ctcaattgct 120
cctagtgcga ttattccaca gttcctccca ccagttactt caatgggctt cgaacatcca 180
gccgtgcaag cctacaggct acaactagcg cttgcggcga gcgccttaca acaaccaatt 240
gccaattgc aacaacaatc cttggcacat ctaaccctac aaaccattgc aacgcaacaa 300
caacaacaac aacagtttct gccatcactg agccacctag ccgtggtgaa cctgtgcacc 360
tacttgcaac agcagctgct tgcattccaac ccacttgctc tggcgaacgt agctgcatac 420
  
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cagcaacaac aacagctgca acagtttatg ccagtgctca gtcaactagc catggtgaac 480
cctgccgtct acctacaact actttcatct agcccgctcg cgggtgggcaa tgcacctacg 540
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<210> 11161

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-C10

<400> 11161

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tgtcacgccc ttcgggctta aaaattcttg aaggtcatta ctttctagct gatgctggtt 180
atgcagcaag acctggtata ctacccccgt accgtggtgt tcggtaccat ctttaaggagt 240
ttcagggtac tagacgacca gaaaatccaa aggaattggt caacctacgt cactcatctc 300
ttagaacaac aattgaacgg gcatttggca cacttaaaaa tagatttaag atactaaca 360
ggtaacactt ttgacacaac aaggtctatg gtaatcatat cagaatcaga gaaggaaaaa 420
ctaaaggata gagcaaggag gtcctttca aagcccatca aattcttcaa tgaaatgtag 480
gagctattcc ttgacagtag tgctgatgga tctcttgcca tggatgctac tacttgcccta 540
aatgaaagtc aacctgtcga tgataatgat aatgatgatg acatatgcaa tgatgtctcc 600
aac 603

<210> 11162

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-C11

<400> 11162

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cgaacaccca gctgtgcaag cctataggct acaacaagcg cttgcggcga gcgtcttaga 120
acaaccaatt gcccaattac aacaacaatc cttggcacat ctaaccatac aaaccatcgc 180

aacgcagcag caacaagcac tgagccacct agccgtggtg aaccctatcg cctacttgca 240
acaacagctg cttgcatcca acccaattgc tttggcaaac gtagctgcat accaacaaca 300
acaacagttg caacagtttc taccagcgct cagtcaacta gccatggtga accctatcgc 360
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tcagctagct gtggcaaacc ctgctgccta cttgcaacaa ctacttccat tcaaccaact 540
gactgtgtcg aactctgctg cgtacctaca acagcgacaa cagttactta attcactagc 600
ggtggctaac ccattggtcg ctgccttc 628

<210> 11163
<211> 593
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-C12
<400> 11163

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atcttacctt tatcacccctt gttcctccaa caatcatcag ccctattaca gcagttacct 120
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact cgtgctagca 180
aaccttgctg cctactctca gcaacagcag ttacctttgg tgcatttggt ggcaaaaaac 240
atcagggcac aacaactaca acaactcgtg ctagcaaacc ttgctgccta ctctcagcaa 300
caacagtttc tgccattcaa ccaactagct gcattgaact ctgctgctta tttgcagcaa 360
caacaactac taccattcag ccagctagct gctgcctacc cccggcaatt tcttccattc 420
aaccaactgg cagcattgaa ctctcatgct tatgtacaac aacaacaact actaccattc 480
agccagctag ctgctgtgag ccctgctgcc ttcttgacac agcaacattt gttgccgttc 540
tacctgcaca ctgcgcctaa cgttggcacc ctcttacaac tgcaacaatt gct 593

<210> 11164
<211> 51
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-C2

<400> 11164

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<210> 11165

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-C3

<400> 11165

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caccctgcc cggatccgat ggccaacagc aacctcccgc ggcgatcat caaggagact 180
cagcggctgc tcagcgagcc agcaccgggg atcagcgct cgccctcgga ggagaacatg 240
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agtgcgccaa atccagacga ccctctttcg gataacattg caaagcactg gaaagccaat 540
gaagtagaag ctgtcgaaac agctaaggag tggactcgcc tgtatgcgag cgggtgcatga 600
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<210> 11166

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-C4

<400> 11166

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atgtcacaa gtcctatag cttcccttct tccccatac ctctcaccag cgggtgtctt 180

aatgtgtgaa accccaattg ttcaacccta caggatccaa caggcaatcg caacaggcat 240
 cttaccatta tcacccttgt tcctccaaca accgtcagcc ctattacagc agttaccttt 300
 ggtccatttg gtggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 360
 ccttgctgca tactctcagc aacatcagtt tcttccattc aaccaactgg ctgcattgaa 420
 ctctgctgct tatttgcaac aacaattacc attcagccag ctagttgctg cctaccccca 480
 gcaatttctt ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca 540
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<210> 11167
 <211> 549
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-K6-C5
 <400> 11167

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 gcctctatctt cagaaagctt ttattgggtct gactgctggg gcaattgggtg cttgtgttgg 180
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 aatttctact gttgttggag ccagcgctgt ttctggattc tttgcctcag catgcagttt 480
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 ccatacac 549

<210> 11168
 <211> 596
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-C6

<400> 11168

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gcaacctgta catccgacgg acgggtccag acagcaggga gatggtgact gtggagggaa 180

gaagaggctc tagtgatcag acaggcgaca tgaggtagct gagtgacttc cccgtctacg 240

atggccgtgg ctccgacgcc gtccctgggtg ctcgcgtgca gggcgtcaca accacgttcg 300

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tccttaccga aggagtgggtg acggatggat cagatgaatg ggcaatctac ggcgggaccg 420

gagagtttgc tatggcgaga ggtgtcgtca aaagaaggta ccttgccgat agggatggcg 480

ccgggaacac tgacgagctc agcatgcagg ttttctgccc ggtgtttggc tcatcacagc 540

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<210> 11169

<211> 481

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-C7

<400> 11169

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aggactacga ggtccacgac ggcattggggc tcgagctcta ctacaactga gccgccccc 240

ctctctccct ctgctcaggt tgggtctgaat tctgaagtca tgggtgcaat tcgcttcgcg 300

gtgatctctt aagctcatca catatataaa agcaacctca gttggctatg taagacatgg 360

cgtgccaaac tatcagtgac cactgccagc tttgcaatac gttgttgat ggtcaacctg 420

caaacttggg gtactgctac tcgtactata aataacatag gggtttaacc ttggttgctg 480

t 481

<210> 11170

<211> 629

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-K6-C8
 <400> 11170

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 caccctctgc ggcgacgaag cccgaagaca agcttttcgg cgacctctg agcattgcca 540
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<210> 11171
 <211> 567
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-C9
 <400> 11171

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aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca 480
 accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta ctaccattca 540
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<210> 11172

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D1

<400> 11172

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 ttcaatgggc ttcgaacacc tagctgtgca agccaacatg caacaacaag cgcttgcggc 240
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 acaagccatc acaacgcaac agcaacaaca gtctctacca gactgagcc acctagccat 360
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 gaacgtagtt gcaaaccagc aacaacaaca gtacaacag tttctgcaa cgctcagtca 480
 actagccatg gtgaaccctg ccgcctacgt acaacaacaa caactgcttt catctagccc 540
 gctcgtgtg ggcaatgcac ctacatacct gcaacaacaa ttgttgcaac agattgtacc 600
 agctctgact caactagct 619

<210> 11173

<211> 330

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D10

<400> 11173

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 acctgtttcc ttactaccta gtgtccaagt cggaatatta ataagctatg ccaggattca 180

gatcgaaata tttctgtctc tgagagatgt gttgcgtgac aacttttcga agactgttgc 240
 ctgaacaata tctgtgtggt tatccctaga ctctaata gta caaacagagt cttatacagt 300
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<210> 11174

<211> 572

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D11

<400> 11174

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 cttctatagc caacctcagg tttctgtggt caatactcgg catcttgaag atattttcaa 180
 cagatataaa gaacctgatg ctgatatgat aatgggtggaa ggaatatctc aattttgcaa 240
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 caataaattc cgtgatatat acaactttgc attcacttgg gcaagggaaa aggggtcaaaa 480
 gtctctctca ctggagactt ctattggaat gtggcagttg ctatttgctg aaaggaactg 540
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<210> 11175

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-D12

<400> 11175

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 tgotcacttg ctcttagtgc cattattcca cagttcctcc caccagttac ttcaatgggc 180
 ttcgaacacc tagctgtgca agccaacatg caacaacaag cgcttgccgc gagcgtctta 240

caacaaccaa ttgcccaatt gcaacaacaa tccttgccac atctaacaat acaagccatc 300
 acaacgcaac agcaacaaca gtccctacca gcactgagcc acctagccat ggtgaaccct 360
 gccgcctact tgcaagagca gctgcttgca tccaaccac ttgctctggc gaacgtagtt 420
 gcaaaccagc aacaacaaca gctacaacag tttctgcaa cgetcagtca actagccatg 480
 gtgaaccctg ccgcctacgt acaacaacaa caactgcttt catctagccc gctcgctgtg 540
 ggcaatgcac ctacatacct gcaacaacaa ttgttgcaac agattgtacc agctctgact 600
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<210> 11176
 <211> 388
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-D3
 <400> 11176

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 cctgcccctg cgcggggctg ccgggcttgt ccggcgctgg cgcgggctg acttcgatga 180
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 tggcggcggc gcccttcttc cccgggtgtg ggcagcctgg cgccttgctc caccggttcc 300
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<210> 11177
 <211> 600
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-K6-D4
 <400> 11177

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ttttccctca atgtccacaa gtccttatag cttcccttct tcccccatat cttccatcaa 180
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 cagcaagcaa cataccttta tcacccttgt tgtttcaaca atcgccagcc ctatctttgg 300
 tgcagtcatt ggtacaaacc atcagggcac agcagctgca gcaactcgtg ctacctgtga 360
 tcaaccaagt agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat 420
 tcaaccaact gtctacactg aaccctgctg cttatttgca gcaacaacta ttaccattca 480
 gccagctagc tactgcctac tctcagcaca acaacttctt ccatttaacc aattggccgc 540
 actgaacccc gctgcttatt tgcagcagca aatactacta ccatttagcc agctagctgc 600

<210> 11178

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D6

<400> 11178

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 gcaacaattg ctgccattca accaacttgc tttgacaaac ccagcagcgt tctaccaaca 180
 acccatcatt ggtggtgccc tcttttagat ttcttatgag ttatagttca ataataaagt 240
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<210> 11179

<211> 613

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D7

<400> 11179

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 gaggaagtgg gtcgtcgagc acaagctccg agccgtaggt tgcctctggc taggtgggat 180
 cagcagttcg atcgcttaca actggtcgcg gcccaatatg aagcctagcg tcaagatcat 240

ccacgcaagg ttgcatgctc aagctctaac cctggctgca ttagttggtt ctgcatgcgt 300
ggagtactat gatcagaagt atggttcttc tgggccaag gtggacaaat acacaagcca 360
atacctggcc cattcgcata aagattaaag gtcgccatgt tggttcctgc atgccggatt 420
aattttgggc tcatctcggg ttgctcatga cccgcccatg gatgctggat gtttattctt 480
tttttgtctt cataattaca aaatgggtgg gtacttgcca ggcaaagt aatgagggta 540
taatgcagat attgtcgtcg taatttggcc tcatgttgca ttatctaacc tcactttgtt 600
gactgtcagt gac 613

<210> 11180
<211> 577
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-D8
<400> 11180

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ccattccgcc tctcggaaga gttgagagag gagtaaggaa ggcgaggacc tcgcgccccg 180
cgatggggcg cgacctgtac gccctcgact tcgacggcgt cttgtgcgac agctgcgggg 240
agagctccct ctcagccatc aaggctgcga aggtgaggtg gccgtcgctg tttgagcagg 300
ttgacgccgc catggaggag tggatagtgg agcagatgta cacccttcgt ccagtgggtg 360
aaacaggata tgaaaactta ttgcttgtaa ggttgcttgt tgagatccag atacactctg 420
ttcgaaaatc atcagttgca gatgggctta gcatccaaga aatattggag aactggtcaa 480
aactgaagcc cactctcatg gatgagtggc aagaagatag ggaatctctt gtagatctct 540
ttggccgtgt aagagatgac tggattgaaa atgattt 577

<210> 11181
<211> 665
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 11181

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gcgaccaaga tattttccct ccttatgtct cttgctcttt ctgcatgtgt tgctaacgcg 120
acaattttcc ctcaatgtct acaagctcct atagcttccc ttcttcccc ataccttcca 180
tcaatgatag cttcagtatg tgaaaaccca gctcttcagc cctataggct ccaacaagca 240
atcgagcaaa gcaacatacc tttatcacc ttgttggttt aacaatcgcc agccctatct 300
ttggtgcagt cattggtaca aaccatcagg gcacagcagc tgcagcaact cgtgctacct 360
gtgatcaacc aagtagctct ggcaaaccct tctccctact ctgagcaaca acaatttctt 420
ccattcaacc aactgtctac actgaaccct gctgcttatt tgcagcaaca actattacca 480
ttcagccagc tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg 540
gccgcactga accccgctgc ttatttgagc cagcaaatac tactaccatt tagccagcta 600
gctgcagcaa accgtgcttn cttcttgaca cagcacagtt gctgcctttc taccagcagt 660
ttgcg 665

<210> 11182

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-E1

<400> 11182

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ccagctgtgc aagcctacag gctacaacaa gcgcttgagg cgagcgtctt acaacaacca 120
attgccaat tacaacaaca atccttgga catctaacca taaaaccat cgcaacgcaa 180
cagcaacaac aatttctacc agcactgagc caactagctg tggatgaacc tgtcgcttac 240
ttgcaacagc agttgcttgc atccaaccca cttgctctgg caaacatagt tgcataccaa 300
caacaacaac aattgcaaca gtttctacca gcgctcagtc aactagccat ggtgaaccct 360
gccgcctacc tacaacagca acaactgatt tcacttagcc ctctcgctgt ggttaatgca 420
cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac tcagctagct 480
gtggcaaacc ctgctgcta cttgcaacag ctgcttccat tcaaccaact gactgtgtcg 540

aactctgctg cgtaacctaca acagcgacaa cagttactta atccattagc ggtggctaac 600
ccattggtcg c 611

<210> 11183

<211> 644

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-E12

<400> 11183

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ttgcgggcag cgtcttataa caaccaattg cccaattgca acaacaatcc ttggcacatc 180
taacaatata aaccatcgca acgcaacagc aacaacagtt cctaccagca ctgagccacc 240
tagccatggt gaaccctgtc gcctacttgc aacagcagct gcttgcattc aaccacttg 300
ctctagcaaa cgtagtgtga aaccagcaac aacaacaact gcaacagttt ctgccagcgc 360
ttagtcaact agccatggtg aaccctgccg cctacctaca acagcaacaa ctgctttcat 420
ctagcccgct cgctgtggcc aatgcaccta catacctgca acaagaattg ttgcaacaga 480
ttgtaccagc tctaactcag ctagctgtgg caaacctgtg tgctacttg caacagctgc 540
ttccattcaa ccaactaact atgtcgaact ctgttgcgta cctacaacag cgacaacagt 600
tacttaatcc attggcagtg gctaaccat ttggtcgctg cttt 644

<210> 11184

<211> 487

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-E3

<400> 11184

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aaccctgctg cttatttgca gcaacaacta ttaccattta gccagctagc tactgcctac 120
tctcagcaac aacaacttct tccatttaac caattggccg cactgaaccc cgctgcttat 180
ttgcagcagc aaatactact gccatttagc gagctagctg cagcaagtcg tgcttccttc 240

ttgacacaac aacagttggt gccgtttctac ctgcacgcta tgcctaacgc tggcaccctc 300
 ttacaactgc aacaattgct gccattcaac caacttgctt tgacaaaacc aacagtgttc 360
 taccaacaac ccatcattgg tgggtgccctc ttttagattg cttatgagtt atagttcaat 420
 aatgaagttt tttggatgat gtttgtggcg tcccagaaat aagaaagtac atttctagat 480
 tctnana 487

<210> 11185
 <211> 252
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-E5

<400> 11185
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 gctcctatag ctcccttctt tccccogtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aaccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttacctttt 240
 atcacccctt gg 252

<210> 11186
 <211> 387
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-E6

<400> 11186
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 cctccactcc ctagcagggc caacggtgat gctgtgttac cctctgtacg cgtccgtgcg 180
 ggcgatggag agcccgtcca agctggacga cgagcagtgg ctgcctact ggatcctcta 240
 ctcttcgtc acgctcatgg agatgtcctt cgagtccttc atatactnng atccccatct 300
 ggtacgagct caagctgctg ttcacgcgtt ggctcgtgct cccaacttc aggggcgccg 360

ccttcaccta cgacaagttc gtgcgcg

387

<210> 11187

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-E7

<400> 11187

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ttgttgcagt tgtaagaggg tgccagcggt aggcgcaccg tgctggtaga acggcaacaa 180

ctgtgggttgt atcaagaagg ttgcacgggt cacaccatat cgctggctgc ctggcagcag 240

cctcctgttg ctctctatta ccgggctgag tgggtctactg gcacctgcct tgttgcgga 300

tatttatcgc ggctgggtgg gcgtttcctc ccggatcgcc cgtttcactt gtcaaccccc 360

tagccccgcg tacgtccggt ttcttccttt cctttttcgc catgtgtgcc gtttttcccc 420

<210> 11188

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-E8

<400> 11188

gttaccggcc ctgactcagc agcgtgtgg gacgccaaga catgatgtgc gccgctgacc 60

ctggtcacgg gcgttaccta accgtctcag ccatgttccg tgggaagatg agcaccaaag 120

aggctgacga gcatatgatc aacgtgcaga acaagaactg gtactacttt gtgtgatgga 180

tccccaaaca ccagaagtcc agcgtgtgtg acatcccgcc gaggggcctg accatggcgt 240

ccaccttcgt ggggaactta acttctatcc gagagcatag cacggagggt gagcgagcat 300

ttctactgcc atgttaaaga agaaggcttt cttgtactgg cacacgggcg aagtcacga 360

cgatattgat ttcaccgagg ccctaagcac tatgaatgac ctagtgtctg actac 415

<210> 11189

<211> 336

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-E9

<400> 11189

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 tgtgcggcct gcagcagccg actccatgcc cctacgtgc tgccggcggt gtccccact 120
 gaagaactat gtgctgtagt atagccgctg gctagctagc tagttgagtc atttagcggc 180
 gatgattgag taataatgtg tcacgcacaa ccatgggtgg cagtgtcagt gtgagcaatg 240
 acctgaatga acaattgaaa tgaaaagaaa aaagtattgt tccaaaaaaaa aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nnnnng 336

<210> 11190
 <211> 467
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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<400> 11190

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 tctctctccc gtgctgaccc tcgttctgct tctgcttctt ctgttctac cttctctgtg 180
 ccgactcgat gtggtgnncc ctgtgcctg cttgcctctg cgggtgcttg cttcccaccc 240
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<210> 11191
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F11

<400> 11191

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cccaagaaac tgacgtacga gcagaggaag gccagtctca ttgaaaggct caaccaactc 180
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gtcgtgcaac atgcattttt gtttaagttt gtcgatgcga acaaagtgtt ttctgttagt 360
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<210> 11192

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-F12

<400> 11192

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ctatagcttc cttcttccc ccataccttc catcaattat agcttcaata tgtgaaaacc 180
cagctcttca accatatagg cttcaacaag caatcgcagc aagcaacata cttttatcgc 240
ccttgttgtt tcaacaatcg ccagccctat ctttggtgca gtcattggtc caaacatca 300
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agcaacaaca acttcttcca tttaaccaat tggccgcact gaaccccgct gcttatttgc 540
agcagcaaat actactacca tttagccagc tagctgcagc aaaccgtgct tccttcttga 600
cacagcaaca gttgctgcct 620

<210> 11193

<211> 549

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F2

<400> 11193

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gccagtgtc agtcaactag ccatgggtgaa ccctgccgtc tacctacaac tactttcatc 180
tagcccgtc gcggtgggca atgcacctac gtacctacaa caacagttgc tgcaacaaat 240
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tccattcaac caactggctg tgtcaaactc tgctgcgtac ctacaacagc gacaacagtt 360
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attgctgcc tacaaccagt tctctttgat gaaccctgcc ttgcagcaac ccatcgttgg 480
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<210> 11194

<211> 542

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F3

<400> 11194

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gcccctgcgc ggggctgcag ggcttgtagc gcgctggcgc cggcctgacg acgatgatgg 180
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aacagtgtc ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc 360
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ac 542

<210> 11195
<211> 619
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-F4

<400> 11195

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gggtcaagctg gcagcgccc 619

<210> 11196
<211> 583
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-F5

<400> 11196

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gcgggagggc gaactcaatg agctttacga tgccatgaaa gattgggtca gcgaactcag 180

ngaaagacaa tgcggaactc aacgagaagc tgggtggagaa gcaggatgag ctcgagaagg 240
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 tcccacggca agctagaatg ctccagaaga catacacgca tctcagggaa taggacaaca 480
 gagatncgga gtgctcatat gctttctttg ctgcttaatc tttagttcga tgaagatctc 540
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<210> 11197

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F6

<400> 11197

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 ccctcttctc cgacgtctcc aacagccggg agctcctgga cttgatgcag tcaggggaagc 180
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 gtgggatctc tgataatata acttacatcc ttgctgcttg ttttgatgct tccgacgagg 420
 agatgaaggc agtggagaag ctcacagtg gcaccgaaat tgatctcaca gaactggaaa 480
 gaagagcaaa ccagccacag atcttgaagc attacaagat acctcccca gaactatcga 540
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<210> 11198

<211> 167

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F7

<400> 11198

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<210> 11199

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F8

<400> 11199

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caacttcgag ctgctcagga agctcgtgct ccccgacggc accgtgctac gcgcgagct 120
tcccggccgg ccacacggg actgectett ctccgaccg gcgcgcgacg gcgcgagttt 180
gctcaagatt tggaacctga acaagtgcgg tggcgtgggtg ggtgtgttca actgccaggg 240
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cgggtgggac ggcgagacc tggtgtatgc gcaccgcacg cgggagctag tgcgactgcc 420
ccggggcgtc gcgctgctg tgacgctagg cccgctccag tatgaggtgt tccatgtgtg 480
cccgtccgc gccgtcgtgc cggggtttct cgctccgcgc cgtcgggctg ctcgatatgt 540
tcaacgctgg gggcgccgtt gaggagtgcg acgtgatcag caatgtcggc ggca 594

<210> 11200

<211> 180

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-F9

<400> 11200

cctggcttgc gctctcttgc ctttttgtgt tgtgtgcctc gggatgcgtt catttgttcc 60
ccagctgctg cagttcgctc tcgcgttgcc catgttcttc caccgggttc gtcctttccg 120
tgttgctccg agtgggctgt cggtacaccc tgcttggtgc atgtcctgta ggctgcgacc 180

<210> 11201
<211> 609
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-G10

<400> 11201

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gcaatgctcg caagctccta tagcttccct ttttcccccg tacctctcac cagcgggtgc 180
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gaactctgct tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta 480
ccccagcaa tttcttccat tcaaccaact ggcagcattg aactctctg cttatttaca 540
gcagcaacaa ctactaccat tcagccagct agnctggTgt gagccctgct accttcttga 600
tacaaccac 609

<210> 11202
<211> 602
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-G11

<400> 11202

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agcttccctt ctcccccgT acctctcacc agcggTgtct tcggtatgtg aaaaccaat 180
tcttcaacc tataggatcc aacaggcaat cgcagctggc atcttacctt tatcaccctt 240
gttcttccaa caatcatcag ccctattaca gcagttacct ttggTgcatt tattggcaca 300

aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg cctactctca 360
 gcaacaacag tttcttccat tcaaccaact agctgcattg aactctgctt cttatttgca 420
 acaacaacaa ctaccattca gccagctatc tgctgectac cccagcaat ttcttccatt 480
 caaccaactg acagctttga actctcctgc ttatttacag cagcaacaac tactaccatt 540
 cagccagcta gctgggtgtga gccctgctac cttcttgaca caaccacaat tgttgccgtt 600
 ct 602

<210> 11203

<211> 618

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-G12

<400> 11203

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 tcttatttgca aacaacaaca acaatcatca gccctattac agcagttacc ttgggtgcat 120
 ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct 180
 gcctactctc agcaacaaca gtttcttcca ttcaaccaac tagctgcatt gaactctgct 240
 tcttatttgca aacaacaaca actaccattc agccagctat ctgctgcta cccagcaa 300
 tttcttccat tcaaccaact gacagcttg aactctcctg cttatttaca gcagcaacaa 360
 ctactaccat tcagccagct agctgggtgtg agccctgcta cttcttgac acaaccacaa 420
 ttggtgccgt tctaccagca cgctgcgcct aacgctggca cctcttaca actgcaacaa 480
 ttgctgccat tcaaccaact tgctttgaca aaccaacag cattctacca acaaccatc 540
 attggtggtg cctcttttta gatttcttat gagttatagt tcaataataa agttttttgt 600
 ctgatgtttg tggcttcc 618

<210> 11204

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-G2

<400> 11204

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atcaatgggc ttggttactg gggggcagta cgtgggaatc agcacctgct ggtgctggct 120
gggttggtgc tcatttgaaa aacaagggga aggagattat ttttccttga tggggcaagg 180
acggtagatc tgaaagcagc atggcgtgga aatatttttc ttgaaaacag taggcacagg 240
attaagtaca agaatactcc attagaattt tgagttgaag ggtcttgaat tttttaccca 300
attgctggag caaactcagg gatctaacac ggttttagtct aactacttag ttaagagtat 360
tcaacataaa gattcttttg aatcacaata agctgacaaa tgcattcatt ctttatcaat 420
ttcaccatct catctgcata gtccctttt ttnttattct gttattcaca tggtttttct 480
agtgatgtta ttatcaaagc agttgacgat gcttacctgt ttttccatgc taacgtggct 540
tcgatattat catgt 555

<210> 11205

<211> 481

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-G3

<400> 11205

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gccctattac atcagttacc tttggtgcat ttattggcac aaaacatcag ggcacaacaa 120
ctacaacaac ttgtgctagc aaaccttget gctactctc agcaacagca gtttcttcca 180
ttcaaccaac tagctgcatt gaactctget tcttatttgc aacaacaaca actaccattc 240
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aactctcttg cttatttaca gcagcaacaa ctactaccat tcagccagct agctggtgtg 360
agcctgcta cttctttgat acaaccacag ttgttgccgt tctaccagca cgctgcccct 420
aacgctggca ccctcttaca actgcaacaa ttgctgccat tcaaccaact tgctttgaca 480
a 481

<210> 11206

<211> 480

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-G4
 <400> 11206

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 tgctcacttg ctccaagtgc cattattaca cagttcctcc caccagttac ttcaatgggc 180
 ttcgaacacc cagctgtgca agcctatagg ctacaacaag caattgcggc gagcgtctta 240
 caacaaccaa tttcccagtt gcaacaacaa tccttggcac atctaacaat acaaaccatc 300
 gcaacgcaac agcaacaaca attcctacca gcaactgagcc acctagccat ggtgaaccct 360
 gccgcctact tgcaacagca gttgcttgca tcaaaccac ttgctctggc aaacgtagtt 420
 gcaaaccagc cacaacaaca gctgcaaacag tttctgccag cgctcagtca actagccatg 480

<210> 11207
 <211> 605
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-K6-G6
 <400> 11207

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 tatggagttg cgagttctcc tggtaaaaaga gcatcgatgg aggacttcta tgaggcaaga 180
 atagacgacg ttgatggaga gaaaattgga atgttcggtg tatatgatgg tcatggagga 240
 gtccgagcag ctgagtatgt taagcagcac cttttcagca atttaataca acatccaaag 300
 ttcatactcg ataccaaggc tgctatcgcc gaaacttaca acctcacaga ttcagaattt 360
 ctgaaagctg atagctgtca aactcgagat gctgggtcaa ctgcctcaac agctattatt 420
 gtaggtgacc gtttgcttgt tgcaaatgtt ggagattcta gagccgttat ttctaaagga 480
 ggacaggcga ttgcggtttc aagggatcac aaacctgatc agacagatga gagacaaaga 540
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ctgtc

605

<210> 11208

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-G7

<400> 11208

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ccaagatatt ttccctcctt atgtcccttg ctctttctac atgtgttgct aacgcgacaa 120

ttttccctca atgtccacaa gtcctatag ctcccttct tccccatac cttccatcaa 180

ttatagcttc agtatgtgaa aaccagctc ttcaaccata taggcttcaa caagcaatcg 240

cagcaagcaa cataccttta tcgccccttg tgtttcaaca atcaccagcc ctatctttgg 300

tgcagtcatt ggtacaaacc atcagggcac aacagctgca gcaactcgtg ctacctgtga 360

tcaaccaagt agctctggca aacctttct cctactctca gcaacaacaa tttcttccat 420

tcaaccaact gtctacactg aaccctgctg cttatttgca gcaacaacta ttaccattta 480

gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540

cactgaacct cgctgcttat ttgcagcagc aaatactact gccatttagc gagctagctg 600

cagcaagtcg tgcttctt 618

<210> 11209

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-G8

<400> 11209

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gcccttgctc tcttggcgct cgctgcgagc gccgcctcca gtacaagcgg cggctgtggc 120

tgccagacac caccgtttca tctaccgct ccgttctata tgccgcctcc gttctatctg 180

ccgccgcagc agcagccgca gccatggcaa taccctactc aaccaccgca gctaagcccg 240

tgccagcagt tcggatcctg cggcgctggc agcgctggca gcccgcttct gggccagtgc 300

gtcgagttcc tgaggcacca gtgcagcccg gggcgacgc cctacggctc gccacagtgc 360
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caggcgacat acggtgtggt cctgcagtc ttcctgcagc agcagccgca gggcgagctc 480
gcgcgctga tggcgggcca ggtagcgcag cagctgacgg cgatgtgcgg cctgcagctg 540
cagcagccag gtccctgccc ttgcaacgca gctgccggcg gtgtctacta ctgaggaaac 600
tatgtactgt agtaataatg taat 624

<210> 11210

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-H1

<400> 11210

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cattatgctc cttggtcttt ctgcaagtgc tgctacggcg agcattttcc cgcaatgctc 120
acaagctcct atagcttccc ttcttcccc atacctctca ccagcgatgt cttcagtatg 180
tngaaaatcc aattcttcta ccctacagga tccaacaggc aatcgagca ggcattctac 240
ctttatcacc cttgttcctc caacaatcat cagccctatt acagcagtta cttttggtgc 300
atttattggc acaaaacatc agggcacaa aactacaaca actcgtgcta gcaaaccctg 360
ctgcctactc tcagcaacag cagttacctt tgggtgcattt gttggcacia aacatcaggg 420
cacaacaact acaacaactc gtgctagcaa accttgctgc ctactctcag caacaacagt 480
ttctgccatt caaccaacta gctgcattga actctgctgc ttatttgcag caacaacaac 540
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<210> 11211

<211> 630

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-H11

<400> 11211

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 tcacaacaat acctctctcc agtgatagcc gcgagatttg aatacccatc tatacaatcc 180
 tacaggctac aagaggccat cacagcaagc atcttacggt cgttagcatt gaccgtccaa 240
 caaccatatg ccctattgca acaaccatcc ttagtgaatc tgtatctcca aagaatcaca 300
 gcacaacaac tacaacaacg gttgcttcca acaattaatc aagtagttgc agcgaacctt 360
 gctgcttacc ttcagcaaca acaatttctt ccattcaatc aactagctgg ggtgaaccct 420
 gctgcttact tgcaggcaca acagctacta ccattcaacc aacttgctgg gagccctgct 480
 gccatcttat tgcagcaaca gttgctgcca ttccgtctac aagttgttgc aaacattgct 540
 gctttcttgc aacaacaaca attgctgcca ttttaccac aggttggtggg aaacattaac 600
 gccttcttgc aacaacaaca attgctgcca 630

<210> 11212

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-H12

<400> 11212

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 gttgctaacg cgacaatttt ccctcaatgc tcacaagctc ctatagcttc ccttcttccc 180
 ccataccttc catcaattat agcttcaata tgtgaaaacc cagctcttca accatatagg 240
 cttcaacaag caatcgcagc aagcaacata cctttatcgc ccttggtggt tcaacaatcg 300
 ccagccctat ctttggtgca gtcattggta caaacatca gggcacaaca gctgcagcaa 360
 ctcgtgctac ctctgatcaa ccaagtagct ctggcaaacc tttctcccta ctctcagcaa 420
 caacaatttc 430

<210> 11213

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-H2

<400> 11213

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cttgctctcc tggcgctcgc tgcgagcgcc gctccagta caagcggcgg ctgtggctgc 120
cagacaccac cgtttcatct accgcctccg ttctatatgc cgctccgtt ctatctgccg 180
ccgcagcagc agccgcagcc atggcaatac cccactcaac caccgcagct aagcccgtgc 240
cagcagttcg gatcctgcgg cgtcggcagc gtcggcagcc cgttcctggg ccagtgcgtc 300
gagttcctga ggcaccagtg cagcccggcg ggcagccct acggctcgcc acagtgccag 360
gcgctgcagc agcagtgtcg ccaccagatc aggcaggtgg agccgctgca ccggtaccag 420
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tgt 603

<210> 11214

<211> 332

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-H3

<400> 11214

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ctaagcgcag gtttgagggg tgccgagggg ttgtacctcg ccagcgattc ggacaagcgg 180
ctattgatct acttccccct tatgcaggtc aagctacatt ccgtgctatt caaaggcccc 240
aaggatgacg caatggcaat gactatctac caatggacat cgtggagcta tcttccgatc 300
atttgataga gaataaacct ttgcnntgct aa 332

<210> 11215

<211> 426

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-K6-H4
 <400> 11215

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 taccaacaac ccatcattgg tgggtgccctc ttttagattg cttatgagtt atagttcaat 360
 aatgaagttt tttggatgat gtttgtggcg tcccagaaat aagaaagtac atttctagat 420
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<210> 11216
 <211> 575
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-H5
 <400> 11216

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 atgcgttaaa ggcttcacca attgaaataa atggggcggc gatatatgtt gaggagagga 180
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 gatattcgag aggtggaggc gacgagtaca atagtaaccg tgggaggtca aacggttacg 300
 gtcgtgctcc tcaccaagag aggggcatac ttgggagcca cactccaagg aactgattca 360
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 acaatccgcc tatcagctac taggccgcgt ttgggttttg gggcttggtt tgcgatgaa 480
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<210> 11217
<211> 510
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-H6

<400> 11217

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tttgtttttt tgggggcggg gtgatttttt tttgggtggg cggggtgttt tcccccgttt 240
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<210> 11218
<211> 625
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-H7

<400> 11218

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gtttcttgta cacagacagg cggctgcagc tgtggtcaac aacaaagcca tgagcagcaa 180
catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
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caagaagttc atgttcaaca acaacaacaa caaccgcagc accaacaaca acaacaacaa 360
caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcacia 420
ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480
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caacatcaac aacaattcca gggatcatgac aagcagcaac aaccacaaca gcctcagcaa 540
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<210> 11219
 <211> 368
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-H8

<400> 11219

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 cagggtctgt acggcgctgg cgcctgtctg ggcacggtga tgggcgctg ggggctgtgc 180
 cccttcgcgg tgttcctgag gtagtgagag tgcattccgt tggcgnggt gccctactac 240
 gccgggtgtg ggctgacgag cgccatgttc cagccggtcc ggcaacggtg ctgccggctg 300
 ctggtgaggg tgatggacgt gcatttcgtt ggcagcattc tgttgatgat gatgctggtt 360
 gagcgtgc 368

<210> 11220
 <211> 613
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-H9

<400> 11220

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 caacaagcgc ttgcggcgag cgtcttagaa caaccaattg cccaattaca acaacaatcc 240
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 gccgtggtga accctatcgc ctacttgcaa caacagctgc ttgcatccaa cccacttgct 360
 ttggcaaacg tagctgcata ccaacaacaa caacagttgc aacagtttct accagcgtc 420

agtcaactag ccatggtgaa ccctatcgcc tacctacaac agcaacaact tctttcatct 480.
agcccgctcg ctatgggcaa tgcacctaca tacctgcaac aacagttggt gcaacaacag 540
ttgctgcaac aaattgtacc agctcttact cagctagctg tggcaaacc tgcctgctac 600
ttgcaacaac tac 613

<210> 11221

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A1

<400> 11221

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gttgctaagg gccggccggt ttgtttggga ttacaattt attactacc caccaccag 120
aaaacctatt taaattcata cccttagttt taccatcttt tttattttta cccttaggcg 180
tattttttta ttagttttac cattttgggtg tataggactg gaaagggaaa attgagccaa 240
aaaaatacga ctaaggttta aaatgggaac aacaggaaaa ccaagggcac caccttaaaa 300
aaaaactaaa ttgggaacat 320

<210> 11222

<211> 549

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A10

<400> 11222

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accagcacia actttaacca gttcatagca aggtatacca gatcaacatc gacactagta 120
aaagggcaaa ctcttcata ggcaaattca agggctaaac agttctgtct ccaggcaagc 180
aactcactt gaagcatttc gcgtaagca aggcctcgcc ctcaaagggc tcttggctct 240
caatcatcgc attgacacgc tccttctggg cctcatcaga gatgtccacc ttgggtccact 300
cgtagagctc catgtcatag acctcgtcca ttacaaactt gggaacatcc tggccacgga 360
agagccaaag gcccttcagc ttgaaggggtg gctcagagcc tatcagagc atcttcccaa 420

aggcgtactt gcggcacagg tccatccgct gcaggaatcc accaaccttg ttcaggggtca 480
 caaaggagac ggtgtttctca tcattgtact tgtagtcaca gaaccacaaa gagtagccct 540
 ctgggtcgt 549

<210> 11223

<211> 520

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A12

<400> 11223

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 caccgttaca agatagcacc tttgcaacac cactcactat caataaaaaa ccgcgacagc 120
 tttaaattagt ttcagaacac aactgggaaa gaaagggaaa aaaacaagca ctccatcgct 180
 gttggatgga ccgtcctctg ctcagcaccg ctcaagacgg cagttcagct agtctgttcg 240
 cttcacggcg cagcgtgcc aagccttgag ataacctggc agcgtagaga ggcattctcc 300
 aagagagcac agaaggttta gtagctgtgc tgccagagat ggtgcgatgg ctgggatggg 360
 acgccctggg aattgttcaa gcttccctcg gtgaggttct gggggtgctc ctgtggcaga 420
 ctggcctgcg actgcgactg gtagaagctt ggggtaccaa gaccaccgta ttgagagggc 480
 tgatgtgcct ggcggaagcc accctgctgg ctctggccct 520

<210> 11224

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-120-Q6-N6-A2

<400> 11224

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 ggcaccatta tcgagtacat ctcatatgta atctaaaaga ggcacctcca acgatggggt 120
 gctgcctcga caagacaggg tttatcaaag agaactgggt gtatggcagc aattgttgct 180
 gctgtaggaa ggcagcgacc aatgggttag ccactgctag tggattaagt aactgttgct 240

gctgtttag gtacgcagca gagttcgaca tagtcagttg gttgaatgga agcagttgtt 300
gcaagtaggc agcaggggtt gccacaacta gctgagttag agctggtaca atctgttgca 360
acaattgttg ttgnaagtat gtaggtgcat tggacacagc gagcgggcta aatgaaagga 420
attgttgttg ttgtaggtag gcggcagggg tt 452

<210> 11225

<211> 192

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A3

<400> 11225

ggggggggaa aaacaatccg tttttgaaag aggggggttg tttgagaaaa aaaaagcccg 60
cagagaaaaag aagggggagc ctttttgaca ataaagggtt tggggggccc gggccccccc 120
cttgaagaaa agatacgagg gggggggaaa taaaagtcta ataaaaaaaa aaaggggaga 180
gaaaaccccc cc 192

<210> 11226

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A4

<400> 11226

aagaatctag aaatgtactt tcttatttct gggaagccac aaacatcaga taaaaaactt 60
tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttggt 120
ggtagaacac tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgagtt 180
gtaagagggg gccagcggtt ggcgcaacgt gctggtagaa cggcaacaac tgtggttggt 240
tcaagaaggt agcaggggtc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
gtaaataagc aggagagttc aatgctgcta gttggttgaa tggaagaaat tgctgggggt 360
aggcagcagg tagctgggtc aatggaagtt gttgttggtg caaataaaaa gcaaagttca 420
atgaacctag ttggttgaat ggaagaaacc tgtgttgctg aaagt 465

<210> 11227

<211> 469
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-120-Q6-N6-A5
 <400> 11227

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 aatctagaca catttacaaa aacacatata ttaataatat gtgttggttg tttgtcttct 120
 aacttattta ataatctaga ggagggtaaa caaacaaggg cgaaatgtct atcttcatca 180
 aataattgac cggatgaaaa tgggccctgt ttaagcataa ataacagaga aatctttggg 240
 gcactaggca gcaacaggaa gcaagccgtt ttgtctaaga agtgggttcag gcgaaggctc 300
 ccgtcctcgg aatgaaacga acaccttaag cggagacttt ccacctccaa gcgcaagaac 360
 agtgtctctg aatcgtctgc cagtttcttc gattgccttc tcattaatca aaccagcgtt 420
 ttcaaaagct gaaaatgcat caattgacag tacttcagcc cacttgtaa 469

<210> 11228
 <211> 211
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-120-Q6-N6-A6
 <400> 11228

aaataaaaaa agggcctctt tatttttggg gaagcccaa acatgggaca aaaaactttt 60
 tttttggact ttaaccctt agaaatttaa aaggaggggc cccccaagt tggggtgttg 120
 ggtgaaccct cttggggttg tcaaaacaag gtggttgaat gggaacaatt gttgccattg 180
 taaaaagggg cccgcgtttg gcgcagggtg c 211

<210> 11229
 <211> 440
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-120-Q6-N6-A7
 <400> 11229

ctagaaatgt actttcttat ttctgggaag ccacaaatat cagcaaaaaa actttattat 60

tgaactataa ctcataagca atctaaaaga gggcaccacc aatgatgggt tggttggtaga 120
 aactgctgg gtttgtcaaa gcaagttggg cgaatggcag caattggtgc agttgtaaga 180
 ggggtgccaac gttaggcgca gtgtgcaggt agaacggcaa caaatggtgc tgtgtcaaga 240
 aggcagcagg gctcacagca gctagctggc tgaatggtag tagttgttgt tggtgtacat 300
 aagcatgaga gttcaatgct gccagttggg tgaatggaag aaaattgccg gggtaggcag 360
 cagctagctg gctgaatggg agtagttggt gttgctgcaa ataagcagca gaattcaatg 420
 cagctagttg gttgaatggc 440

<210> 11230

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A9

<400> 11230

aagaatctag aaatgtactt tcttatttct gggaagccac aaacatcatc caaaaaactt 60
 cattattgaa gtataactca taagcaatct aaaagagggc accaccaatg atgggttgtt 120
 ggtagaacgc tggtgggttt gtcaaagcaa gttgggtgaa tggcagcaat tggtgcagtt 180
 gtaagagggg gccagcgta ggcgcagcgt gcaggtagaa cggcaacaac tggtgttgtg 240
 tcaagaaggc aacagggctc acatcagcta gctggctgaa tgggtggtagc tggtgctgtt 300
 gtaaataagc agcagagttc aatgctgcca gttgggtgaa tggaagaaat tgctgggggt 360
 aggcagcagc tagctgactg aatggtagtt gttggtgcaa ataagcagca gagttcaatg 420
 cagccagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttccta 480
 acacaagttg ttgtagttgt tgtgccttga tgttttgtgc caacaaatgc accaaaggta 540
 actgctgtaa tagggctgac ggttggttga g 571

<210> 11231

<211> 487

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-B10

<400> 11231

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 ggagtgtc tcatatcaca tattcacatc catgcttaca cacagcacgc acatcattat 120
 ttgttctacc acgaagctag cgacgacatg gcgtgctctg aatctgaaga cgacatggca 180
 atggtatgga tcctagcagt aggccagtac tagcagtacg tagttaggcg aggacgaggc 240
 tcttcttgaa atgcgcgatc tgaatgttct ccacgttgag cttcttgaag ttgctgttct 300
 tcctggtgct gaagaagtcg cccagttgt aggcgtcgta cctgggcaga tcgtcctcgc 360
 tcaccagctc ctccaccggc tccaccatgg tgtaggtcgc cgggttgaag aagtagggca 420
 tggagaacct ctctctcgcc gagttcactg acagccggtg ctccgcgctc tcgtacctgt 480
 cgttgct 487

<210> 11232
 <211> 505
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-120-Q6-N6-B2
 <400> 11232

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 ggcattccagt aaaggggcaa agaaatatat atatcacgtt attatttggc tacacctccg 120
 tgttcattat tcaccaagga taaaaattaa atccacttag cccaggagca tccatccaat 180
 cttaacccgc atccctccaa ccttaaccca ataaataacc tctgcttaac accgccaaaa 240
 ccaacatggc tggaagtgtc accttccttc agctacaaat tgtttcatta atacatggta 300
 acaagaataa actagacaag ggcattagggt ttcaattctc ttagaatagc ataataaaca 360
 gtacggtaat tgcagaatgg tagtgcactt aatctgcccg ggattgacca gcacgggatg 420
 aaaggataat tccaacaatg agaccgtaca gagcaagcgc ttctgcgaaa atgaggatga 480
 ggatcatgcc cacaaaaagc ttcgg 505

<210> 11233
 <211> 526
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-120-Q6-N6-B3

<400> 11233

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attattgaat tacaactaat aagcaatcta aaagagggca ccaccaatga tgtgttggtg 120
gtaggaggcc gctcgggtctg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
taagaggggtt gcgggggttag ccgcaaactg ctggtagaaa ggagcaact gttgctgtgt 240
caagaaggaa gcacggtttg ctgcagctag ctggctaaat ggtagtagta tttgctgctg 300
caaataagca gcgggggttca gtgcggccaa ttggttaaata ggaaaaagt gttgttgctg 360
agagtaggca gtagctagct ggctgaatgg taatagttgt tgctgcaaat aagcagcagg 420
gttcagtgtg aacagtttgt tgaatggaag aaattgttgt tcctgagagt agggagaaag 480
gtttgccaga gcacttttgt gatcacaggt agcacaatt gctgca 526

<210> 11234

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-B8

<400> 11234

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gcaccattgt cgagtacatc tcatatgtaa tctaaaagat ggcacctcca acgatgggtt 120
gctgcaaggc agggttcatc aaagagaact ggttgtagtg cagcaattgt tgttgctgct 180
gcaggaaggt agcgaccaat gggtaggcca ctgccaatgg attaagtaac tgttgctgct 240
gttgtaggta cgcagcagag tttagacacag ccagttggtt gaatggaagc aactgttgta 300
agtaggcagc agggtttgcc acagctagct gagtcagagc tggtagaatt tgttgtagca 360
actgttggtt taggtacgta ggtgcattgc ccaccgcgag cgggctagat gaaagtagtt 420
gtaggtagac ggcaggggtc accatggcta gttgactgag cactggcata aactgttgca 480
ac 482

<210> 11235

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C1

<400> 11235

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aatgatgtgt tgttggtagg aggctgctgg gtttgtcaaa gcaagttgga caaagggcaa 120
caattgttgt agttgtaaga gggttgctgg gtttagccgca aactgcttgt aaaaaggcag 180
caactgttgc tgtgtcaaga aggaagcacg acttgctgca gctagctcgc taaatggcag 240
tagtatttgc tgctgcaa at aagcagcggg gttcagtgcg gccattggt taaatggaaa 300
aagttgttgt tgctgagagt aggcagtagc tagctggcta aatggtaata gttgttgctg 360
caaataaaca gcagggttca gtgtaaacag ttggttgaat ggaaa 405

<210> 11236

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C10

<400> 11236

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gggcaccatt gtcgagtaca tctcatatgt aatctaaaag atggcacctc caacgatggg 120
ttgctgcaag gcagggttca tcaaagagaa ctgggtgtat ggcagcaatt gttgttgctg 180
ctgcaggaag gtagcgacca atggggttagc cactgccaat ggattaagta actgttgctg 240
ctgttgtagg tacgcagcag agtttgacac agccagttgg ttgaatggaa gcaactgttg 300
taagtaggca gcagggtttg ccacagctag ctgagtcaga gctggtacaa tttgttgacg 360
caactgttgt ttaggttacg taggtgcatt gccaccgcg agcgggctag atgaaagtag 420
ttgtaggtag acggcagggg tcaccatggc tagttgactg agcactggca taaactgttg 480
cagctgttgt tgttgctggg atg 503

<210> 11237

<211> 549

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C11

<400> 11237

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aactataact cataagcaat ctaaaagagg gcaccgcca tgatgggttg ttggtagaac 120
gttggtgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actggtgttg tgtcaagaag 240
gcaacagggc tcacatcagc tagctggctg aatggtggta gctgttgctg ttgtaaataa 300
gcagcagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360
gctagctgac tgaatggtag ttgttgttgc aaataagcag cagagttcaa tgcagccagt 420
tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480
tggtgtagtt gttgtgcctt gatgttttgt gccaaacaat gcaccaaagg taactgctgt 540
aatagggct 549

<210> 11238

<211> 542

<212> DNA

<213> Zea mays

<223> unsure*at all n locations

<223> Clone ID: LIB3061-120-Q6-N6-C12

<400> 11238

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gctttagaac agggctgagc atgcgcaaag cagtatatag acgatacgtc ccttattctt 120
acatagtact gtactatata cattcgtcag acctgtgcca tacagccata ctaaacaag 180
tcttcttgat tctcatagc cttcacataa ggcccaaggt gtgtgtcgtg ccttggtgag 240
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gttgctcctt gagatccttg acctgctggg gggtagactt cgcgagagaag ccgctggcgg 360
cgcttcttga ttggttagagc actgcgtccc tggccttctg ttcgctgccg aggacggggg 420
tgagggntgc ggatgtggaa ctctcaggg tggcgctcct cggggcggtc aacgtacacg 480
atgtgcacgg ccgtctcctg tgccgcgggg gccgcctgct tctccggctc ggccgcatg 540
gc 542

<210> 11239
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C4

<400> 11239

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aatgatgggt tgttggtaga aactgctgg gtttgtcaaa gcaagttggt tgaatggcag 120
caattgttgc agttgtaaga ggggtgccagc gttaggcgca acgtgctggt agaacggcaa 180
caactgtggt tgtgtcaaaa aggtagcagg gctcacacca gctagctggc tgdattgtag 240
tagttgttgc tgctgtaaat aagcaggaga gttcaatgct gctagttggt tgaatggaag 300
aaattgctgg gggtaggcaa caggtagctg gctgaatggt agttgtttgt tgttgcaaat 360
aagaagcaga gttcaatgaa cctagttggt tgaatggaaa aa 402

<210> 11240
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C7

<400> 11240

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attattgaat tacaactaat aagcaatcta aaagagggca ccaccaatga tgtgttggtg 120
gtaggaggcc gctgggtctg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
taagagggtt gcgggggttag ccgcaaactg ctggtagaaa ggcagcaact gttgctgtgt 240
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agagtaggca gtagctagct ggctaaatgg taatagttgt tgctgcaaat aaacagacag 420
ggttcaatgt aaacagttgg ttgaatgg 448

<210> 11241
<211> 511
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-120-Q6-N6-C8

<400> 11241

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tggcacatag gcatacaaac aataaatcag gcctaactgc agctctacaa cctacaaagc 120
gacaaacata gcacggcttc tttatctgat cgttacaaac ttatttgtac catgcttagc 180
ccaaaacgtc ttcaagtcaa ttggattaac aagattgtac ccttcaccag caagcttctc 240
aagcaccttt ttgaatgcac cttgggtcat cttccttcca gcaatacgtg cgccccggcg 300
ctttgtgttc attggcagtg gatacgttga aatagaagtc gtgcagcatg cagactgccca 360
cccacctgca cccacccggt agcactgctg gggagctccg gtgcacgagc aactggtgt 420
tggatatgtg gcaagggtcca actcaatacc gntaatcatc atccccacat tcttcttagg 480
tccccctctc cgggtcgcgt gcccattaat t 511

<210> 11242

<211> 273

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D1

<400> 11242

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tctaattctta atcttccaaa aattgggtgtg ttgtaaaact tacacatgtt tttgcagctt 120
ggatatggaca gggttttgaa ggggtacaacg gtgaactata cactgggtgtg ttgagatggg 180
tgcagtcaca acaaacaggt gtgccttggg aagcaacaaa aaaacttgac tgggaggtgg 240
gtggggaaca taaaaaaaaa agacctttgc tgt 273

<210> 11243

<211> 530

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D10

<400> 11243

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gtcaatgaca gcacgatcag tgatttagtg ggcaacaatt tcagtgccac tttcttttgc 120
ctcaggagat caaagcaaac gggggacaga gacacaacat ctaactacta cacagaacaa 180
ggaagagtta aacaactctg accaaaacga gagtcatcac aaaagcctat tctacagttt 240
ttttttctaa ccgtgacaac ggtcctgcgc ctctcttgca ggatcagcca cgtataagct 300
cgacgctagg tgattattgg ttaatgtaca gaagttagca caaagtgtg ccattatagc 360
ccgatgaatg ccatgccacc gttgagtcac tggcggttggg cagacggaga atgttgcacc 420
tgcactggtg ggaagaaccc catgcctgct gatgactgga agaatcctgc tgatgtgggt 480
gattgctgtg gtgcctgaag agactgctgc tgctgttggg gttggttctg 530

<210> 11244

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D12

<400> 11244

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actaaactag ctagctagcc aggggttttt ctacagcaca tagtttttta agggggggac 180
acccccggca gcaacgtagg ggcattggagt cggctgctgc aggatggact ggaggaccaa 240
cccaaaaatc gcctggtacc ggggctgggg ttccacctgc ctgagctggt ggaaacactg 300
ttgccgaaac aactggcact tagggaagca gtagggcggt cccctcgggc tgactgatg 360
cctaaaaaac tcgaccact ggcccaggat cggggtgctg ccaaccccca aggttcctg 420
aaattggcac gggcttggat gcgg 444

<210> 11245

<211> 77

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D2

<400> 11245

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 tttttttttt tttttttt 77

<210> 11246
 <211> 541
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D4

<400> 11246

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 gtagaacact gctggggttg tcaaagcaag ttgggtgaat ggcagcaatt gttgcagttg 180
 taagaggggtg ccagcgtag gcgcaacgtg ctggtagaac ggcaacaact gtgggtgtgt 240
 caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
 taaataagca ggagagttca atgctgctag ttgggtgaat ggaagaaatt gctgggggta 360
 ggcagcaggt agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa 420
 tgaacctagt tgggtgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc 480
 tagcacaagt tgggtgtagtt gttgggccct gatggtttgt gccataaatg caccaaaagt 540
 a 541

<210> 11247
 <211> 469
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D5

<400> 11247

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 catataagca atgacaatgg aggactatag caagatctat atcaagccat gaagcaacac 120
 atgcaaaaaa gaaagaaaag aaaaaaaaaag gagcaaaaag ctaaacaag tggcaaaaaa 180
 gcagaggtgc aggggaagca ggtcgaacca acagaaaggg gcagggatca aggcgtcaaa 240
 attagtgtta tacaacttac aaccatgcc aaccttgcgc ttgcgtccta ccatgatgac 300

cttctgctag tgacacggcc atggaaaaca tcattctgctc ctcgatgctc tccgggctga 360
 agtggcttgg agccatggtg aaattctcag cgaaaggcag cggttgcattg gcccctgcat 420
 ccaccatgat gtccgatccg gcatagcttg ttcccgctc cgcaccctc 469

<210> 11248
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D6

<400> 11248

ccacccaaaa actttatattt tgaattccac ctaataagca atctaaaaga gggccccccc 60
 aatgatgttt tgttggtagg aggccgttcg gtctgtcaaa gcaagttgga caaagggcaa 120
 caattgttgt atttgaaaaa gggttgcggg gttagcccca aactgttggg aaaaaggcac 180
 caactgttgc tgtttcaaaa aggaaccccc gtttctgtgca cctacctggc taaatggtaa 240
 aagtatttgc tgctgcaaat aaccaggggg gttcagggcg gccaatggg taaatgaaaa 300
 aagttgttgt tgctgaaagt aggcaatacc tagctggcta aatggaaaaa gttgttgctg 360
 aaaaa 365

<210> 11249
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D7

<400> 11249

ggcatgggac aaattttaaag ggggtatagc aggaagcagc gtacatggga aataaataaa 60
 gaccgcatga actcaaaaat aaaccaaaca gccaaaaggg catgggaggg ttccgtctc 120
 cttttttttt caacacacac acaaacacaa ggaccacgtg cgcggagagg gtttttattc 180
 agtagtagta cacgtagcag tagtagacat gcaagtcgtg accatcatgc gtaggtagct 240
 agatatggtc atgacggtcc gatccgaggc cgccgacgta cggggggata aatatggatc 300
 gtcttcaggc ggccgcccgc gcccgctgct gtcgtttagg gttcaattca ccctggaaca 360
 atcgggtggg gtgctgatgg ttaggggat gctgaccccc cacttgaggg ggatgctggc 420

ggcgtttccc gc

432

<210> 11250

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D8

<400> 11250

aaaatgggaa atataaaaaga agggggggggg ggggaaaaga gagggggggg gaaaagaaag 60
ggggggggaaa gaaaaaaaag gggggggagg gggggggggg ggagagaggg gagaagagag 120
ggggggggagg ggaaaaaggg aaaaaaaaaa aaaaaaaggg gccacaaaaa aaaggggggg 180
gggaagaaaa aagagggggg aggaaaaaaa aaagggggag ggggggaaaa ttgtggtggt 240
gggagaaggg gagaaaaggg cgggtaaaag gaagaaaaaa aaaaaaaaaa aagtgggggg 300
gttaaaagag ggggggggaa aaaaaaaga gagggggggg aaaggggaga cgccggagga 360
aaaaaaaaaa gagaagaaaa aagctggggg ggggaagaag aaaaaaaaag agggggggga 420
gaaaaagggg gttaaaaaaa aaaagag 447

<210> 11251

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D9

<400> 11251

aacttctgtc tgcttagttt attgctcatt cttacagagt ccatagtaca gtttgaatat 60
ctgtaatatata ggagaaaagg atgagctagc tagcgtggct cagcacctcc tttcctatgt 120
taagccaatt atattctgtg aatcaggcag ctcatctgat atatctatct aacttagtct 180
ggcacggcct gtgtggagtt tgaatacaac agtgaataat gatggcacia attgatcgtc 240
cgccatggat gatcttcact tcaacgaggc ttacaagctt ttgaccgaga tgcattttc 300
ctcattgtcc agaatgctgc acggtaccga ttctgcatca ttgctttcat gtttgagtg 360
taagtagtct cgatcatttt ctccacctcc attgtaaatc cataatggta agcaaccttt 420
ttcacatctt ccaaacttaa ttcaatagac atatcatcat ctggcccata tgaatcagca 480

aagtgatata gaaggggacc caaat

505

<210> 11252

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E1

<400> 11252

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atttaattag aggaaggacc ggtgaagtaa atcgctcaca ttttctcatg cacgttgga 120
gatcagatct ttgcttgcac tggatgggga cgagcctagc tacttccaag tataacagga 180
atcgттаatt atatcacaag aacaaatccg gatccccctt aattattgtt ccggatgaac 240
gatccgagaa atgcattcat cttcttgcctg tgcattattat tcagacatat gagctagcta 300
caagctcatt cctcatgcac tatgctcttc gcagttactt ggagggcatc gttccgccc 360
cgagaatcca ggggcattcg gcgacgcgc tgatgggtggc cagggtgcac tcggcctccg 420
tgacgagggg gggggcgaat cccctctgca cctcccgggg gcagcccggc aggtccttta 480
ggcgggccctt cacttgccgc tccgggc 507

<210> 11253

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E10

<400> 11253

cccaaccaga tccttacatt taaggcatgg atttattatg gggattaagg acatcgggcc 60
ttaatctcac actacacagc aatgacaca aaaacactag gggcacaacc ggggaggccc 120
ggacacaagt acatgggacc aaactattgt aatttgacaa gtaaaattaa gtccaacact 180
acatgcaaaa tgcagcaacc acagcttatt gaattcaaaa aataaaataa gcacaaaaaa 240
acttaatcgc agtcaacagc tcattgtatca tcacaaattt ttacaagatc caaacaacca 300
tcaccttata actttattaa tgcaaatgga ttggagctta ttttttttcg agggcctgaa 360
caaaatcatt tttaagggtc taaaaatcct cactccaat gctgaacctg atcaggttgt 420

ccttgatccc ataaatgtcc ctctgctcct ttgaatc

457

<210> 11254

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E11

<400> 11254

aaacacaacg aaaagagctt gaaaattgaa ataggcaa atagtaatta catggaacat 60
gcaacctaac aaattgagct, ccggataggc aaatggaaca ttgattaact tggactcaaa 120
atattgtatt ttttttcac tggagacaaac acacgatccg gaaacaccac atcaaaactcc 180
aaatataactt gtccatccgt ttccagttca cgtacgcttc acgacattgc caccttcttg 240
gccaagaact ttgatcattc aacctttttc ttgtcactct ctccgccgcc ggctccgtcc 300
tcctcctcct cactcctctc cttgtcgacg aggatcttct tgcacgctc gtagcacatg 360
aaggcgatgc cggcggcggg catgagcttg atgcagctag ggccgagacc tcggtacagg 420
ccgccggcgc cctccttctt gaggatgcag tagatagcgt ggaggacgtt ctggtacacc 480
tgctcccgcc 490

<210> 11255

<211> 493

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E12

<400> 11255

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atgtttactt gtcaacgggc acttaattgc tctataatat gaaccactaa aatttccgga 120
atcaagtgat accgataagg agaagcaaaa gacctataac ctactcgaac ctagttagtt 180
accatcaa atcgtagggac ttgtccgaaa atgtcggggc aaccttccca gctgcttttt 240
tttttgatt cccagtaccc accgacgtaa cggtatgtgt caatagcttt atccttcgaa 300
aaccaccgag gcttccatcc gctttcctgc atttttcgtg cctgcggttg tctttgttca 360
agcctcaatt tttaagcatt tgccttttca tattaaccgt tctccaaaca tttttggtct 420

ggtcgtaatc ttgagtctgt aggtggcagt ttctccttca atccaggggt aagttcattc 480
aatgtaattg caa 493

<210> 11256

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E2

<400> 11256

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ggcagggggg cctcaaagcc caacaagcaa aaagttgggg gtccccctct agcagaaacc 120
cctaaggggg gggaactttg gggcttacaa aaaacccaaa acacttttgc ccttacaaaa 180
aaagacccta caaagatccc aaaacactga actattttta acaaaggggg gagaaaaaaa 240
ccttgggggg gggagaaa 258

<210> 11257

<211> 559

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-120-Q6-N6-E4

<400> 11257

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tacatcaaat gtaataaaga agtaaaaaga catggtaaac ccttagccag aaacctagca 120
ttcagagcat gcaatgctgc acctatatct atcctaacta aaacccaaaag tatggagggt 180
tttgcaaccc agagccttgc cggccaccat ggcggtcttc catcccaaga attatcaata 240
agcaggcatc agctttttgca acaccaatct tctcattttc tgatgtactg gctgctcctc 300
aaatggaaat ggtgtcaagg tgaaaaatgt accggaagtg tgttgcgccc tattttgcag 360
aagggggcat gtgaacaaac ttcgatggct catctagatg ccacttactg tacacggatt 420
tacaattcac agtaggtaaa atctggatgc aacaaaggaa ttttttaagt gagggcaaac 480
tccttttttt tggaaggaaa actgggggtt tttttttagt ggggtgaact acttggtgat 540
ctcatctgca gtaagtgtt 559

<210> 11258

<211> 529

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E5

<400> 11258

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gcaccattat cgagtacatc tcatatgtaa tctaaaagag gcaccaccaa cgatgggttg 120
ctgccacgac aaggcagggt tcatcaaaga gaactgggtg tatggcagca attgttgctg 180
ctgtaggaag gcagcgacca atgggttagc caccgctagt ggattaagta actgttgctg 240
ctgttgtagg tacgcagcag agttcgacac agtcagttgg ttgaatggaa gtagttgttg 300
caagtaggca gcagggtttg ccacagctag ctgagtaaga gctggtacaa ttgttgtagg 360
caactgttgt tgcaacaact gttgttgtag gtatgtaggt gcattgccca tagcgagcgg 420
gctagatgaa agaagttgtt gctgttgtag gtaggcgata ggggtcacca tggctagttt 480
gactgagcgc tggtagaaac tgttgcaact gttgttggtg ttggtatgc 529

<210> 11259

<211> 310

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E6

<400> 11259

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aagagggcac cccaatgat gtgttggggg tagaaggctg ctgggggttg caaagcaagg 120
tggacaaagg gcaccaactg gtgcagttgt aaaaggggtg aggggttagc cacaaccgc 180
tgggggaacg gaagcacttg ttgattgggg aagaaagaaa agggcttggt gtaccaactg 240
gccaaaggga agagaattgc tgggtgaaaa acaaagggg tcagggcggc cacatggtta 300
aatggaaaag 310

<210> 11260

<211> 504

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E7

<400> 11260

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atcgagtaca tctcatatgt aatctaaaag aggcaccacc aacgatgggt tgctgccacg 120
acaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgc tgctgtagga 180
aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt cgctgttgta 240
ggtagcgagc agagttcgac acagtcagtt ggttgaatgg aagtagttgt tgcaagtagg 300
cagcaggggt tgccacagct agctgagtaa gagctggtag aatttgttgc agcaactgtt 360
gttgcaacaa ctgttgttgc aggtatgtag gtgcattgcc catagcgagc gggctagatg 420
aaagaagttg ttgctgttgt aggtaggcga taggggtcac catggcttgt tgactgagcg 480
ctggtagaaa ctgttgcaac tggt 504

<210> 11261
<211> 303
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E8

<400> 11261

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tttgcgcgaa ggagcaatcc aaaaaggggc acccccaaag aagggttgct ggaaaaaccc 120
ccccggggag gggaaaacaa atttttgcgt tcaaccaacc ggcgggggtg gactctgcag 180
gttatttaca acagcaacaa cccgggcgcg ggggtggacc cgcgaaatata taacacagcc 240
ccgcgggcgg accagctttt cctaccgaga agcgggccag aaccggccg ggtcaaggac 300
ata 303

<210> 11262
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E9

<400> 11262

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ggactattac ccataagaaa actaaaaggg gggggccccc atgatgggtt gttggtaaaa 120
cactgctggg tttgtcaaaa caagttgggt gaatggcaac aattgttgca gttgtaaaag 180
ggggccagcg ttaggcgcaa cctgctggta aaacggcaac aactgtgggt gtgtcaaaaa 240
agtagcaggg ctcacaccaa ctagctggct gaatgggaat agttgttaaa cctgaccaat 300
tcaaggggat taatgatgag gggaggccaa tttaccagaa gccctttttt ccccgtaacct 360
ttaacaaaag gg 372

<210> 11263

<211> 343

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-F11

<400> 11263

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tggtacaagc acaccattca tgggttagcc aaaaaaagag aagggggaat tccctcccat 120
tttctttttac gaacaaactc cagggaaccc cccaccacc catattggac ttacttactt 180
agcccaaaaa aaaaaccctg gatttggaaa atctttcaac ctaaaaaacc cacgggggac 240
caaaccaaac gtgaaggggt tttttttttt ttacccctt tccccccaa aggatttccc 300
aaaaccaacc ttttttttta aaccgggttt acgtccaagc caa 343

<210> 11264

<211> 249

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-F2

<400> 11264

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catacatgag gtctctcttt ttttaatggt gtactagtag cttagaagct aacaccaacc 120
aaggaaggac aaccaagaag ctaaggcctg gtttattatt aactggaaac ataaaataaa 180

aagtaggggtt tgttaattgc atttgggtatg tatcacccaa ctgacggagt catggggacg 240
gtgtcaacg 249

<210> 11265
<211> 187
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-F4

<400> 11265

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tgtgtactat accaggcaac aagtgttagga tcaacacaga atactagtgt atgcgcacgc 120
atgcaggaag gcagcaacac caacagagta aaccatccaa gccaaaccat gcttgttggg 180
acagcac 187

<210> 11266
<211> 82
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-F6

<400> 11266

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tt 82

<210> 11267
<211> 412
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-120-Q6-N6-F7

<400> 11267

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aaggggttaa aaaacgggaa agccgggggg cccccaaaaa cttggcccc agaaaaccgg 120
ggaataaaaa aaaaaaaaaa aaaaccccg ggggccaaaa aaaaaaaaac ggcaaaaacg 180

ggaaagcggg ggggcccccc caaacttggc ggcgaaaaaa aaaaaaaccc ccaaaaaaaa 240
 accccggggg ggggccaaaa aaaggggcaa aaaaaaaaaa gccccctgg ggtttaaac 300
 cccccccagg gggggaaaaa aaaaaaaaaag tgcccaacca aaaaaaacac acgggcaaaa 360
 aactggggac aaaaaaaaaa aaccccccaa aggctggttt aaacaaagg gc 412

<210> 11268

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-120-Q6-N6-G10

<400> 11268

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 agatcacact acgctgacaa gaaaaacatt ttagaccaa aagaataggc attccataca 120
 ttatagtttg ctgtctttga taccacaaat gggtcccggc cgataccaca taatagcata 180
 cctatgtcca tcaaaagcta cggcaagtag cactcaaaca cagctagac tgtcatacag 240
 aaagcttaca aaagcagaga ctaaccaag caagctcatg gcactatggg tggacggaat 300
 taggtcatag tttccaagac ctggatttac aaaagatggg cagtccaaac tttagtattc 360
 ccactttttg agctccatac catcaggggn ggctcccttc taccttcttt gctccaaatc 420
 tttccaattg gt 432

<210> 11269

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G12

<400> 11269

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 attattgaag tataactcat aagcaatcta aaagaggcac caccaatgat gggttgttgg 120
 tagaaacgct gttgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
 taagaggggtg ccagcgttag gcgccagcgt gcaggtagaa cggcaacaac tgttgttgtg 240

<210> 11270
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G2

<400> 11270

ctagaaatgt actttcttat ttctgggaag ccacaaacat cagacaaaaa actttattat 60
tgaactataa ctcataagaa atctaaaaga gggcaccacc aatgatgggt tgttggtaga 120
acgctgctgg gtttgtcaaa gcaagttggg tgaatggcag caattgttgc agttgtaaga 180
gggtgccagc gttaggcgca gcgtgctggg agaacggcaa caactgtggg tgtatcaaga 240
aggtagcagg gctcacacca gctagctggc tgaatggtag tagttgggtgc tgctgtaaata 300
aagcaggaga gttcaatgct gccagttggg tgaatggaaa aaattgttgg gggtaggcaa 360
caggtagctg gctgaatggg agtttgttgt tggtgcaaata tagaagcaga attcaatgca 420
acttagttgg tt 432

<210> 11271
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G4

<400> 11271

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tctctcgtct cgtttcatag cgggagcaaa caaagggaac aacaggggta ccaacaccta 120
atccaaaggt agaacggaca ctaacacggg gacagaagcg aacggtaaca cgatactata 180
gatagataag ataactcggc cgaagccagg atggggccac acatcagtc ctcagccgc 240
cgccgcgcgc gccgtagccg ccaccaccac cctcgcgcgc accgccgtaa ccgccaccgc 300
ctacgtagcc ggcggcacca cctcgcgcgc gaccgccgta gccgccaccg ccggcataac 360
ccccgtcacg gggcccgcga ccatagc 387

<210> 11272
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G5

<400> 11272

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attattgaat tacaactaat aagcaatcta aaagagggca ccaccaatga tgtgttggtg 120
gtaggaggct gctgggtttg tcaaagcaag ttggacaaaag ggcaacaatt gttgtagttg 180
taagaggggtt gcgggggttag ccccaaactg ctgggtgaaa ggcagcaact gttgctttgt 240
caaaaaggaa acacgggtttg ctgcagctag ctggctaaat gggagtaata tttgctgctg 300
caaataagca gcgaggttca gtgcggccaa ttggttaaaa ggaaaaaatt tttgttgata 360
aaagttggca at 372

<210> 11273

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G6

<400> 11273

aaaaaatct caaaaggact gttgcgcaaa ttttaagattt caatcaacag aacacaaaga 60
gtgatctaac gatgtgagac aaacatgtcc aagttcgttc ataaacatgg cgcttctaca 120
attcatgggtt catggatata tgcgggtccg ctcaaggctt tttcagcaac aggtttaagc 180
agaagcagta ggcgcacatcg ccatttcctg ttcaaccgga gttttctgaa ccgggtagta 240
gtggtagtg agctccccga catcatcccc aaaaagcttc gtccaaccat cagggccaac 300
gtggtaaaca ctaacacaac caccatttgc tgcattacgg aatgttgccc cataaatagc 360
ccgtcgcgct aatttcgcgg gttcctcaac tgacatgctg aagc 404

<210> 11274

<211> 146

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G7

<400> 11274

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tcttttttgg acttttactc attagccatt taaaagagag ggcccccccc atgggggggt 120
 ggtgggaaaa cactgttgcg gcccc 146

<210> 11275

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G8

<400> 11275

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 attattgaat tacaactaat aagcaatcta aaagagggca ccaccaatga tgtgttggtg 120
 gtaggaggcc gctgggtctg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
 taagaggggt gcggggttag ccgcaaactg ctggtagaaa ggagcaact gttgctgtgt 240
 caagaaggaa gcacggtttg ctgcagctag ctggctaaat ggtagtagta tttgctgctg 300
 caaataagca gcggggttca gtgcggccaa ttggttaaat ggaagaagtt gttgttgctg 360
 agagtaggca gtagctagct ggctaaatgg taatagttgt tgctgcaaat aagcagcagg 420
 gttcagtgtg gacagttggt tgaatgg 447

<210> 11276

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G9

<400> 11276

gaccccatga aggtggtgga ggcgtgcag aagaagactg gccgaaggt cgagctgctg 60
 tcgccgatgc cccccccg ccgaggtggag gagaagaagg aagatgaggc ggagaagaag 120
 aaggacgatg agaagaaggc agagcccagc ccgccgaagc cggaggagaa gaaggagccg 180
 ccggtgatcg ctgtggtgct gaagggtcac atacactgcg aggcgtgcgc cgaggggatc 240
 aagaagagga tcctcaagat gaaaggcgtg cagtccgtag aaccggacct caaggcgtcg 300
 gaggtgacgg tgaagggcgt gttcgaggag tccaagctgg cggagtagct gtacaagcgc 360
 acgggcaagc acgcggccgt cgtcaagtcc gagccggccc cggcgccgga gggcggcggc 420

ggcgacaagg cggccaagga ggaggagaag aaggatgcag gcggagccgg aag

473

<210> 11277

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-H1

<400> 11277

aagaatctag aaatgtactt tcttatttct gggaagccac aaacatcaga caaaaacttt 60
attattgaac tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg 120
gtagaatgct gttgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
taagaggggtg ccagcgttag gcgcagcgtg ctggtagaac ggcaacaatt gtggttggtg 240
caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
taaataagca ggagagttca aagctgtcag ttggttgaat ggaagaaatt gctgggggta 360
ggcagcagat agctggctga atggaagatg atgttggtgc aaataaaaag cagagtt 417

<210> 11278

<211> 538

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-H10

<400> 11278

gacgactcaa ttcagatggt tattactgct gccaggccat tccatatgta tacatcccgt 60
cgagtcacga aagaaacgca aagcaaacca ccaggaggag atgacaaatc atcaaattca 120
gttcatgaca gaccagggcc accagggcct cattcttgat catagcaaac acaggaaatc 180
aatatctcaa cctatagtat cgatggtcag gagataaact gactgtttct aggggtgcac 240
catatctcct tccatgagtg aaactctatc gccagtcttg ctgagcagct tccacaatct 300
acagattttt cccttctttc tcctcaatgg tctttgcctt gcgataatcc ttgtccgtgc 360
cgaacaacca gtccatgtaa acaaatgttg aggcatagtt ccctgacttt gtgtacagca 420
cacggtgatg gtagtcatgg aagtccgagc cgccatacag cggcaggaaa tttgatgggc 480
tccatgggaa gtgatagccg ctgtgagctt caactgtctc caaaaccctt aacaccat 538

<210> 11279
 <211> 254
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H2

 <400> 11279

 acaacaaaac tgtggaattc tataatatat caaagtaaac atgtttcagg aaacatctgg 60
 tgttaagatt gcaccggggc tgtattttacc agcacatccg tgcttctacg taaacactat 120
 ataacaatta taagcagttt caattgcaac catataaaca ctttgaagga gcgtcagtgc 180
 cttcaactag ttcagtgacc catgttgatc tttattttcaa ttgtgcagta tgtttatatt 240
 tgcattactt caaa 254

<210> 11280
 <211> 219
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H3

 <400> 11280

 gcaaccaata ttttgatttt ttttgggaaa cacacgtggg tttgaggga ccattttcga 60
 gtacatctca tttgtaattt aaaagatggc acctgcaacg aggggttgct gcctcgacaa 120
 gtgcaggatc caacaaaaag aactggttga atggtgacaa ttgttggttat ttgaagaagg 180
 gggagtcag tgggttagcc attaccaatg gtttaataa 219

<210> 11281
 <211> 72
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H4

 <400> 11281

 gggggggggg gggttttccc gggtagtcg ggccggggcc gggggggggg ggggtttggg 60
 ttggtggggg gg 72

<210> 11282
 <211> 126
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H6

 <400> 11282

 ggggggggggt gccttggttg ttacacccg ttttgggggt taaaggtttg gttggcccaa 60
 tgggtggaat tgttaccct cctgtggggg ttggtggtgg gtgggctttt ttgggggtgt 120
 ggggtgg 126

<210> 11283
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H7

 <400> 11283

 agtaaaaact gacatggggc tggtttggtc cccacttta ctggtgggat ggtaatttac 60
 aagagcctat cttcctgtgt atgttgccacc attgaaccaa aaacaatgaa gtaatcataa 120
 gttacacata tgtgggtaat cgagaagcgc taaaaatcg aaacctcgaa atataatgcc 180
 aaaacttttg cacagcgacc ttctcgccga caggaatctg attcgtttct tcaacaatca 240
 acatgaaatg tcaagctggt ggtctttcca gtagcatacc ttacctcaca tgaagcccgg 300
 gtcgagctaa gtgtcaggag aggggagact tcaggctgct taggtctcaa ctcacgacct 360
 catcgatgt tgaatggcta gtttccaagt tgaatttaag ctactggga tacacaaaga 420
 cagtcctgc 430

<210> 11284
 <211> 336
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H8

 <400> 11284

 cggggggggtt gggggggggg gccggggggg ttcccctttt ttcttttggg ggggggtttt 60
 aaaggtgggg gaaattgggg gctaggggtg ttctggggga aaaatgggtt cccgccaaat 120

ttcccaaaaa aaaatagggg ggggaaaaaa agggaaaaaa ggggggggcc attggggggg 180
ggcaaacaaa aaaaaagggg tggggctgcg ggggcgtttt tcggggggga aaaccggggg 240
ggcgcttttt ttaatataag tgccaaaccg ggggggggag ggggttttgt tttggcgccc 300
aaggggggtt tttttttccc gggggggggg gggaaa 336

<210> 11285

<211> 529

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-H9

<400> 11285

cagaaatata ttgagataaa tctcaatcaa tatattgatt atttctagga aacacatgcc 60
ggaatgaggg caccattatc gagtacatct catatgtaat ctaaaagatg gcacctccaa 120
cgatgggttg ctgcctcgac aagacagggg ttatcaaaga gaactgggtg tatggcagca 180
attgttgctg ctgtaggaag gcagcgacca atgggttagc cactgctagt ggattaagta 240
actgttgctg ctgttgtagg tacgcagcag agttcgacat agtcagttgg ttgaatggaa 300
gcagctgttg caagtaggca gcagggttg ccacaactag ctgagtcaga gctggtacaa 360
tctgttgcaa caattgttgt tgcaggtatg taggtgcatt ggccacagcg agcgggctag 420
atgaaagcag ttgttgctgt tgtaggtagg cggcaggggt caccatggct agttgactga 480
gcgctggcag aaactgttgc agctgttggt tgtggctggt ttgcaacta 529

<210> 11286

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-A1

<400> 11286

gggagaagga actttttttt ttttgggggg ccccttcctt agcccaaaaa cttttttttt 60
ggatttccac ttattggggg ttttaaaaat gggccccccc atggtgtggt ttttgtaaaa 120
aggtttttgg ttttttaaaa aaaatttgac caaggggaaa aatttgttgt gtttttaaaag 180
gggtgggggg tttaacaaaa aatctgtttg taaaaggag atattttttt ttttattaaa 240

aagaatgggg gttttttttt atttgtttga aaaatgtttt taattttttt tttggaaaaa 300
 aaaatagggg gtttatgggg gccaattttt taaaaaaaaa aaattttttt gtttgggtgg 360
 gtattttttt tatttggttg taggggggtg ttgggttttt tttttatttg agtatagttt 420
 tttt 424.

<210> 11287
 <211> 537
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-N6-A11
 <400> 11287

cagaaatata tcgagataaa tctcaatcaa tatattgatt attttttagga aacacatgcc 60
 gctatgaggg caccattatc gagtacatct catatgtaat ctaaaagatg gcaccaccaa 120
 cgatggggtt ctgccacgac aaggcagggg tcatcaaaga gaactgggtg tatggcagca 180
 attgttgctg ctgtaggaag gcagcgacca atgggttagc caccgctagt ggattaagta 240
 actgttgctg ctgttgtnng tacgcagcag agtctgacac agtcagttgg ttgaatggaa 300
 gtagttgttg caagtaggca gcagggtttg ccacagctag ctgagtaaga gctggtacaa 360
 tttgttgtag caactgttgt tgcaacaact gttgttgtag gtatgtaggt gcattgcccc 420
 tagcgagcgg gctttatgaa agaagtgttg ctgtttgtgg ttggcgatag gggtcaccat 480
 ggcttgttga ctgagccctg ggagaaaactg ttgcaactgt tgttggtgtt ggtttgc 537

<210> 11288
 <211> 351
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-N6-A3
 <400> 11288

tggggggggg tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tattggggaa gggattataa attatgggga cgaaaacgcg ggaaatattg 120
 gggggccaag tgagagctac gttatgtggg gggggggggg cgcacaggac aaatgggggg 180

gcttggacgt gngccgaat aaatTTTTTT tttttaaccc tggggggttg tactgggggg 240
 cgggggaaaa aaaggttaac ttgtgggggt ttgagggggg gacaatattg ggaaacccgg 300
 ggggaaattc cggggctttt gaagaattaa gggggcgatt ttgggcgggg g 351

<210> 11289
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-A4

<400> 11289

acattagaat ctggaaatgt aactTTTTat ttctggttgg ccacatacat catccaaaaa 60
 actttattat tgaattacaa ctaataatca atctaaaaga gggcaccacc aatgatgtgt 120
 tgttggtagg aggctggtgg gtttgtcaaa gcaagttgga caaagggcaa caattgttgt 180
 agttgtaaga gggttgcggg gtttgccgta aactgtttgt tgaaaggcag taactgttgt 240
 tgtgttaaga aggaagtact acttgctgca gctagctcgc taaatggcag tagtatttgt 300
 tgggtgtaa at aagtgggtgg gtttagtggg ggcaattggt taaatggaag aggttgttgt 360
 tgctggaagt tgggtgtttgc tagctggcta aatggtaata 400

<210> 11290
 <211> 299
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-A5

<400> 11290

ggagttcggt aaaccaggca ctttctgttc ccaatcaact acattactca gtaattttaa 60
 ttgtgcgctg gaaacccaaa ccgcatatag gtctcaaaaa actctaaaca ttggttaaaa 120
 caggaaccga tacgactggg cgggcgagca taaaagtttc cagcgcgaga gtgcgccagg 180
 atacaagctt cgttcaacgg ttggccttgg caacacgctc aatctcgggc ttgttcttga 240
 tgggtgtaact gttggatgag cccttgggtg ggtgggttagg ttatttggag gggactcgg 299

<210> 11291
 <211> 542

<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-A9

<400> 11291

agaaatgtac tttcttattt ctgggaagcc acaaacatca gnataaaaaa ctttattatt 60
gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
cactgctggg tttgtcaaag caagttgggtt gaatggcagc aattgttgca gttgtaagag 180
ggtgccagcg ttaggcgcaa cgtgctggta gaacggcaac aactgtgggtt gtgtcaagaa 240
ggtagcaggg ctacaccag ctagctggct gaatggtagt agttgttgct gctgtaaata 300
agcaggagag ttcaatgctg ctagttgggtt gaatggaaga aattgctggg ggtaggcagc 360
aggtagctgg ctgaatggta attgttggtt ttgcaaataa gaagcagagt tcaatgaacc 420
tagttgggtg aatggaaaaa actgctgttg ctgagagtag gcagcaaggt ttgctagcac 480
aagttgttgt agttgttggg cccctgagtt ttgtgcccac aaatgcgcca aaggttaactg 540
tt 542

<210> 11292
<211> 328
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B1

<400> 11292

gggaagccac aaacatcaga caaaaaactt tattattgaa ctataactca taagaaatct 60
aaaagagggc accaccaatg atgggttggt ggtagaatgc tgctgggttt gtcaaagcaa 120
gttggttgaa tggcagcaat tgttgaggtt gtaagagggg gccagcgta ggcgcagcgt 180
gctggtagaa cggcaacaac tgtggttggt tcaagaaggt agcagggctc acaccagcta 240
gctggctgaa tggtagtagt tgttggtggt gtaaataagc aggagagttc aatgctgtca 300
gttggttgaa tggaaaaaat tgggtggg 328

<210> 11293
<211> 529
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B10

<400> 11293

gtaagatagc aagaccaaca catgcattat taaatattat cttacatttg ctatttttaa 60
aatggcaatc ataaccatca ttgtccaagt atgaaacact aatcaaattt ctctgtaaag 120
agggaacata aagaacatct ctaagtaaaa gcgtgaaacc atcagcaagc tctaagaaaa 180
gatcgccaac ggcttcaaca tctgcttgga ctccatttgc acttctttgt gtagtcctcg 240
ttgaacggaa tccccgtaaa gaattagcaa catgaacagt tgctcctgag tcaatccact 300
aagtagattt tgaatatcgt acatatagga attcatttac aaatatgata atattctcac 360
atttctttgc catgaccatt ttcaagaact tgggatagtc tttctttag tagttcttct 420
tcttgcaggg aagacactgg tctttctcca ctgtgaattt ctgttgctga tgctgaggag 480
cctttccctt tgaggaggag ttagcattaa aggtcttttt cttggtttc 529

<210> 11294

<211> 57

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B11

<400> 11294

ttttggtttt tgtttttttt tttttttttt tttttttttt tttttttggt tgtttttt 57

<210> 11295

<211> 226

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B2

<400> 11295

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gaaacacatg ccggaatgag ggcaccatta tcgagtacat tttatatgta atttaaaaga 120
tgggaccttc aaagatgggt tgatggctgg acgagacagg gtttataaaa gagaactggt 180
tgtttggcag caattgttgt tgttgaagga agggagtgc caatgg 226

<210> 11296

<211> 126

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B3

<400> 11296

gatgtgaaaa aggtgcttc tgagttgggg ggagcccca acacgagatt tataaatTTT 60

gaagggaagt aggggggaga agaagaattt aaaaaggggc gcggccgagg agaggaagaa 120

ggggggg 126

<210> 11297

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B7

<400> 11297

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taacagcatc catcgatcca cagtccatgc tggttgatgc atgggtctgc tggagccgag 120

gatgaacaca gactaacia ctgacacaga gcgaccttgc aatcaaaaac acagatgggc 180

aacaacaaac gagacgaacg aagataaacc ctctggacta gggtaaacad cacggtagcg 240

aacaggataa cttggccgcg cgggccccac cgtcagttc ctccagttcc cgtcggagtt 300

gccgtagccg ccgccacggt tgccaccgcc gtagccgtca ccaccaccac cgtagccacc 360

gtcgcaccg tagccgccc cgccaccgcc gtagccgccc ccgtcattac ggggcccggc 420

accggcgtag ccggcgtctt cacgggcacc accgta 456

<210> 11298

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-C1

<400> 11298

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aatgttagca tcgatgacac ggctctataa aggtgtattc acaggctttc atcttccaga 120
cacgaattcg aataaaagac gcgggggggt aaaacttnac gacactgtga ttagtgtggc 180
ggtaaacaac ataaaggaga agacacactg agttttgtga gcgccttatg acttggaccc 240
tgaagattta tttgaagatg ctttattgtg gttattgggt gcggggtaaa ttggctttta 300
aggatatgga gggttattat tgggtttgct gtgcattttg tttagaggat gcatatgggg 360
cttaagaact gttgtgtatg aagattgaaa gtttggggag ttttttagaa aaaccgaggg 420
ggaaaagttt tttttggtat ttgagagggg gg 452

<210> 11299

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-C10

<400> 11299

agaaatgtac tttcttattt ctgggaagcc acaaacatca gataaaaaac tttattattg 60
aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
actgctgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
gtgccagcgt taggcgcaac gtgctggtag aacggcaaca actgtgggtg tgtcaagaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcaggagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtaggcagca 360
ggtagctggc tgaatggtag ttgttggtgt tgcaaataag aagcagagtt caatgaacct 420
agttggttga atggaaaaaa ctgcttgtgc tgagagtaag caacaagggt tgc 473

<210> 11300

<211> 131

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-C11

<400> 11300

ggaatncata ggagaatcga ttcctaaact tagatcttgt ttcttctata atttgatttc 60

atagaacca't ggggaaacac acactncnna cgccgtgcc a gnacaacagg gagactataa 120
tcgacactcc t 131

<210> 11301
<211> 328
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-C2

<400> 11301

tttgtgtggg tgggactaga agctcaatcg ctttttagaa aacagtgtac aaatcaggtc 60
tgaaaatatg gcataacgct ctgaacttga gacgactaac caaaaagtgt gctcatcagg 120
acacacattt tgggtcaaga caatccatgg gggggggggg ggggtacagcg ctgttggggg 180
gggtgctctg tagcttattc atgtggaatt taagcttttt acccttaagg gtgtacccat 240
tagtttgggc aactgttca ggacgggaag aaattatgcc aggaaccggg cactggcaaa 300
atgggttttta atgtgtgggg taaggggt 328

<210> 11302
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-C4

<400> 11302

agcacataag aatctagaaa tgtactttct tatttctggg aagccacaaa catcatccaa 60
aaaacttcat tattgaacta taactcataa gcaatctaaa agagggcacc gccaatgatg 120
ggttgttggg agaacgttgt tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt 180
tgcagttgta agaggggtgcc agcgttaggc gcagcgtgca ggtagaacgg caacaactgt 240
tgttgtgtca agaaggcaac agggctcaca tcagctagct ggctgaatgg tggtagctgt 300
tgctgttgta aataagcagc agagttcaat gctgccagtt ggttgaatgg aagaaattgc 360
tgggggtagg cagcagctag ctgac 385

<210> 11303
<211> 483
<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-N6-C5

<400> 11303

gagacaatct atgcataata actgaggata aaaaatgcac tgtgctcctc ggggaatgga 60
 gctaactaaa gacaaggagg ctgtacagca atgcccagga acctgcaaaa gctgaatggc 120
 tgcattctgag acctgcagac aacacactac attggccggt gtttggatta ttacaatttg 180
 gacgctgaac ggtagagctc gatgtagtcg agggcaggtc ggttccacga ccagtcctgc 240
 tccatgactc tcttgcagag gcagtggaac cagctccggg catcgaacca agctgagatc 300
 gccctgttca gggcatagtc aacaccgttg ctatcagctc cgtcaaagct aaaccggtg 360
 ggctcaaggc ctgatctcg ggctcggttc ttgtcattgg ccacatcgaa gacagtgtcg 420
 aagagccctc cagtcttgcg gacaatcggg atggttccat cccgnatggc gaccagctga 480
 gtt 483

<210> 11304
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-C6

<400> 11304

agaaatgtac tttcttattt ctgggaagcc acaaactca tccaaaaaac ttcattattg 60
 aactataact cataagcaat ctaaaagagg gcaccgcaa tgatgggttg ttggtagaac 120
 gttgttgggt ttgtcaaagc aagttggttg aatggcagca attgttgctg ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgcaggttg aacggcaaca actgttggtg tgtcaagaag 240
 gctacagggc tcacattagc tagctggctg aatgggtgta gctgttgctg ttgtaggtaa 300
 gcagctgagt tgtttgctgc cggttggttg aatggaagaa attgttgggg gttggctgtg 360
 ttt 363

<210> 11305
 <211> 325
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-C7

<400> 11305

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gggtggcttg ggggggggtg tgggggaggg ggggggtccg ggaaggggg gggggggggc 180
gcctgagggg ggggggggtg tcttgggggg ggggcgtgta atctggctcg ggcggtgggg 240
ggggtgggtg ggggcggtg gggggggggg ggggtgccc cggtgctggg gtgggggggg 300
gcgggggggg gggggggcgg ggcgg 325

<210> 11306
<211> 99
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-C8

<400> 11306

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aaggggcggg agatcacggg gaaagggggg ggctttttt 99

<210> 11307
<211> 241
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D1

<400> 11307

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gtataactta taagcaatct aaaagagggc accaccaatg atgggttggt ggtagaacgc 120
tggtgggttt gtgaaagcaa gttggttgaa tgggaggaat tggtgcagtt gtaagaggg 180
gccagtgtta ggtgcagtg gcaggtagaa aggtaacaac tggtgttggt ttaagaagg 240
a 241

<210> 11308
<211> 308
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D10

<400> 11308

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tttttttggg ttccccctt tagtcaattt aaaagagagg ggcccccca agtttttttt 120
ttttagggg ggttttgggt ttttcaaac agggggggca aagggaataa attttttttt 180
ttttaaaagg gggggggggg tcccccaaa ccctttttta aaaggcctcc cgccccctgg 240
ggtgcccccg ggaatttcgg ccggggccct ggggggtccc aaattttctt ttttgggggtg 300
gttttaaa 308

<210> 11309
<211> 179
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D11

<400> 11309

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tcggtgtatc aaaaacttta gagctatgta gttgaaagac taatcaacac gcagttaac 120
catgagcaag ctttgtttta ttattacagt ctacgagtac ttattcaggc agatcactc 179

<210> 11310
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D12

<400> 11310

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gtccctgcgt ggggatggcc ccattcaggc aaacagaatt ctggtcaaac cgatccatgt 120
tcccaggggg cgtgcagcaa ccctcattta cttacaaaag cccagagggc ttgttacatc 180
gacattttct catttttttt ggggcaaggg ggggggatac cccaacaaa aaataatcac 240

acattttgcc tatcttatac cacaccacat ttggcaatgt ccctctccgg cagtttctaa 300
cagacattaa cttgggcctc agctaatacat cgagtcgtca tccttttatc cagagatcac 360
ccccctacga aggcacattg tttccgtgca tgctcaggga ccaatttcac cataaaatcc 420
gccggccccgt ttttaaactc atgggggtta aaattg 456

<210> 11311
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D2

<400> 11311

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acagaaaatg tcaataaaat agtgaaaaga acatggtaga catgttacc tagccagaaa 120
cctagcaatc agaacatgcg ggggttaaacc tacatttatc ctaactaaac caaaagtatg 180
agaggggtttt gaaaaccag agccttcccg ggaagcctt catccaaaga attgtgaatg 240
agcaggcatc aggttttgca acaccaatgt tgtgatttac cataggtgtt gggccctgtt 300
ttacagaaga gagcatgtga gggaaacttc atgggttatg tggacgcca 349

<210> 11312
<211> 399
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-D3

<400> 11312

ccaatcatct tttttcctta tatattattc ctttccattt caatgggtca ttcagggtcat 60
tgctcacact gccacccatg gtgatgggtg aactacgtt actcatcgcc gctaaatgag 120
taaactagcg agctaggtag ctagtcagcg gctccattac attattacta cagtacatag 180
tttctcagt agtagacacc gtcggcagct gcgttgcaag ggcagggacc tggctgctgc 240
agntgcaggc cgnacattgc cgtcagctgc tgcgctacct gggccgcat cagcgccgtg 300
agctcgccct gcggttgctt ctgcaggaag gactgcagga ccacaccgta tgcggtggtg 360

taccggtgca ggggttccac ctgcctgaac tgggtgggag

399

<210> 11313

<211> 123

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D4

<400> 11313

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aagggggggg gggggtgaga aaagagaagg ggggggggtg ggttggtggg gggttggggg 120

ggt 123

<210> 11314

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D5

<400> 11314

gggaggaaca gaggtttgtt atttgccaac agattacaca catgattggc attccacacg 60

caaccgatcg atatgacgat tatactccta tttattagca ccagctatat atatatagcc 120

atgtctggag tctggactag caagcaaccg agatcgatga tacagagata gattcatcgg 180

tttgcacgag catgacttgt tggcagccac tatgttacac caccatccac caacgcatgt 240

acaaagttct gcatcatcat cgcacgcct ccgcctgatg atgatagatc agtgcagcgc 300

cgtcaggaca gtagaccctt ccaccacctt gaaagtggca ccgcagatct cttcttcgtc 360

ggcggggaca gcggggacct tgtgcttggg gttctcgtag cacttgagcc ctccgagggc 420

gttggagt 428

<210> 11315

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D6

<400> 11315

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cctttttttttt ggggtttccac ctaatagcca atcaaaaagg gggccccccc aatgatgtgt 120
tgttggtggg gggccccccg gcctgccaaa gcaggtgggc caaagggcac caattgttgt 180
atttgaaaaa ggggtggcggg gttaccccca acccgctggt aaaaaggccc acctgttgct 240
tggtaaaaaa gaaaccccg ttt 263

<210> 11316

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D7

<400> 11316

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ctacacacgc aagcaattag ttcatgcgct tattagggtg tgccactggc caccactaca 120
ctacattaca ctagcacaag caagcagcta cacatacttg tccatatcac ataaacgaaa 180
cagcatatat aagaagatgt cccaacatct ttgcaccacg cgcgagatca ggggccctgc 240
aggccgaact cttcagggcg cggccacgtt ctcttggcg agcggcgcg tctcctcgcc 300
ttcgaccctt ggctcgccgc cggcgacccc gaggetgagc agcacgttct cccagttctt 360
ggcagggccc ttccaggaga gatcctggat catgcagttc ctcaccatct cctcgtacgc 420
cggcgtgcg accaccttga tggcgcgctg caatgtg 457

<210> 11317

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D9

<400> 11317

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tttttttttt tttttttttt tttttttttt ttttttgttt tttttttttt ttttgttttt 120
tttttttttg gggaaggga cctttttttt gggggggggc ccttcctttg gcgcaaaaaa 180
attttttttt ggtttcccg gcaatggccc gtttaaaaaa gggggcccc aaataatttt 240

tttgggcaaa aggggtcgggg gttattaaaa ataggggtggt aaaagggggc aaacttggtt 300
 tttttaaaaa aggggtggggg tttacccaaa aaaggggtgt gaaaagaaga taatttttgt 360
 tttttaaaaa aagaaggggg ggtgtggtct ccttgctggc caaaaggtaa atattatggg 420
 ctgg 424

<210> 11318

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E1

<400> 11318

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 tttttttttt ttttttttat gttttatttt taaaggggag gaaaaaagaa gggggggggg 120
 ttgggggggg gaaaaggggg taggagggga gggggggggg ggggagaaaa aggagggggg 180
 ggggaggggt aaaagaaaaa aggggggggg ggggggtgaaa gggggaggag gggagaaggg 240
 gagaaaaggg gaggggg 257

<210> 11319

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E12

<400> 11319

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 tttttttggg attcaaccga aaaaagcacc caaaagaggg gggcccccga aaaatttttt 120
 ttgggggggg gggcctgggg ttttaaaaaa cgggggggaa aaagggaata aatggtggtt 180
 ttttaaaagg gggggggggg ttcccccaaa acgggggggg aaagggaata aatttttttt 240
 tggtaaaaaa aaaaacacgt ttgccccca cccccgggca aaagggggaa aattttgggg 300
 ggggaaaaaa accggggggg ggccgggggg gcaaattggt aaaaaaaaaa aaatttgtgt 360
 ttttgaaagt tgcccctcct tcggggcgcg aaagggaata ggttgcggca aaa 413

<210> 11320

<211> 269
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-E2

<400> 11320

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attaaaaaat ttttaaattt tggggggggg gggggggggg ggaaaaattg aggggggggg 180
ggggggnaaa aaaaaaaaaa aaaaccaagc gtttttttaa aagaaaaggg ggatttttaa 240
aaaaaggtaa agattggggg aggggtattt 269
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<210> 11321
<211> 182
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E3

<400> 11321

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ggggggacca aatggccctt tgaatgtgga aaattaagtt tttttttttg ggggggggga 60
ttcttttggc caaaaaacgg gtttttggaa ttaaaactaa taaggaaata aaaagagggg 120
accgccaaag tagttttttg ggtagaaggc tgatgggttt ggtaaaggag ggggggcaag 180
gg 182
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<210> 11322
<211> 487
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E4

<400> 11322

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acaaactggg cggtacatt acattcctcg tgaggggtca tgcatactaa aaaaaactgt 120
cggctattta ggttgggttg cctgaatagt ttgtgcagct cactcgaaaa atgcacaaag 180
tacaccgcca cgaggcctga ggaatccatg gttgcagggg gggcgactct agatggcccg 240
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actgggctgt gaggactaaa acgactgctt ggctaaggaa aaacacacac actgaccgat 300
 ggtgggagtt gtggtttgat aagaaacacc ttatcttata taatctttgc cacttactaa 360
 tccacctctg tatctgacct agtagtgggtg gcctacgagt tggggatgtc tcacaaacta 420
 gtcaggagtgc tgtgactact agattgcttg ggagagctgg cctcctcatt atgatactga 480
 tgcagct 487

<210> 11323

<211> 479

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E5

<400> 11323

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 aattacaact aataagcaat ctaaaagagg gcaccaccaa tgatgtgttg ttggtaggag 120
 gccgctgggt ctgtcaaagc aagttggaca aagggcaaca attgtttag ttgtaagagg 180
 gttgcggggg tagccgcaaa ctgctggtag aaaggcagca actgttgctg tgtcaagaag 240
 gaagcacggg ttgctgcagc tagctggcta aatggtagta gtatttgctg ctgcaaataa 300
 gcagcggggg tcagtgcggc caattgggta aatggaagaa gttgttggtg ctgagagtag 360
 gcagtagcta gctggctaaa tggtaatagt tggtgctgca aataagcagc agggttcagt 420
 gtaaacagtt ggttgaatgg aaaaaattgt tggtgctgag agtagggaaa aaggtttgc 479

<210> 11324

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E7

<400> 11324

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 cagatcatga tgtgtcggtg cattgatcag gcctcgctgt cgctggtgtc agcactggca 180
 gcagtagcgg cagcggcagt agtttgattc ttaacgagcg caacgacact cgctgcttcg 240

ttctttatcct tgatgccaaag cttctgcatg tcggggatca cagcgggtggg gtgggtcagcc 300
 cactcgaagg ccgccttgga gatcctgtcc cactttctgca cctgcttccc ctgcgtcacg 360
 gtcaagggtca ccccggtgctg gctgttgaac cccgcgtcca ccgtgcggga cacgggtg 417

<210> 11325

<211> 438

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-E8

<400> 11325

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 caggcatgcc taacatagca cattaatcaa ggctataggg tcccacctaa caaagtacac 120
 attttttgag attataccat cctcgtcatg tttgtgtgtg ttaatgctca attaaccgag 180
 tngcacacca caacgatgat ttatacttca ttactggtga tcttagagca aaataacttt 240
 caaccacatt tggggactag aagcacataa gaatctagaa atgttctttc ttattttctgg 300
 gaagcccaaaa catcagacaa aaaactttat tattgaacta ttactcataa gaaatctaaa 360
 agagggccca ccaatgatgg ggtggtggta gaatgctgct gggtttgtca aaacaagttg 420
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<210> 11326

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-F10

<400> 11326

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 ggtagaatgc tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgagtt 180
 gtaagagggg gccagcgta ggcgcagcgt gctggtagaa cggcaacaac tgtggttggt 240
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gtaaataagc aggagagttc aatgctgtca gttgggttgaa tggaagaaat tgctgggggt 360
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 atgcagctag ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg 480
 ctagcacaag ttgtttagt tggtggggccc tgatgttttg tgccaataaa tgcaccaaag 540
 gtaactgctg taatagggc 559

<210> 11327

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-F11

<400> 11327

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 cacaaatttt cccaaaaaac cccccgtgag gggcaaaact cgctatcaac cccgcgcccc 180
 cccccgtggc ccccccgaa aatccccccc ccccccccg gggcccccca tttcccccta 240
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 ttcccccaaa aaaccccaca aaaaaaaacc ccggggcaca aaaagaaaaa accggggggc 360
 ccccaaagga gcgctccac accaaaaaaa aggcggggccc ccccccccc tttccccggg 420
 ggaaaaaacc ttgtcccccc ccccttat 448

<210> 11328

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-F6

<400> 11328

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 tggcgaatca tccacctttt ttggttttgg gagctaaggg cgcaattcgt tcatgccacg 180
 gttttttttt ggttcacagg ccagacaaaa acaaccctgg gcaagacccc ttacctcaat 240

ctcaatgggc caaacccctaa aacgaaatcg cttgggaaaa tatgctggcg ccttaactca 300
 tcccccttcc ggacaaacag aaaattttgt tgggtctttt gaccgaggac aacccccccc 360
 ccaattttgc cgcaacatcc gcagaattat gggggcctgg ccatgtccat ttgcccaccg 420
 ggg 423

<210> 11329

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-F7

<400> 11329

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 gctgctgggt ttgtcaaagc aagttggaca aagggcagca actgttgagc ttgtaagagg 180
 gttgcggggg tagccacaaa ctgctggtag aacggaagca attgttggtg tttcaaaaag 240
 gaagtggggc ttgtttagc tagctggcca aatggtagta gtatttgctg ctggaaataa 300
 gcagaggggt tcagtgcggc caattgggta aatggaagaa attgttgctt gttgagagtg 360
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<210> 11330

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G1

<400> 11330

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 ggaagccaca aacatcatcc aaaaaacttc attattgaag tataactcat aagcaatcta 120
 aaagagggca ccaccaatga tgggttgggg ggggaacgct tttgggtttg tgaaagcagg 180
 gtggttgaat ggaaaaaatt gttgcagttg taagagggcg ccagggttag gggcagtggt 240
 caggtagaac gggaacaact gttgttgtgt taagaaggga aaagggttaa aataaattag 300
 ctgggatgaa tgggtgta 318

<210> 11331
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G10

<400> 11331

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ctctcgctta gttcactccc cctaccgac tttaacagca ggtgaacagg gtcaatcaca 120
caaatgtttg atcactggca aagctaagcc gagggatctg gggctccctc aggtttgtct 180
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gtttcagctt tcttcttaag ggcagcagca aggagtaccg aattagcatg ctttggcaga 420
gcatacctgct gctgtttttt 440

<210> 11332
<211> 103
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G12

<400> 11332

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<210> 11333
<211> 381
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-G2

<400> 11333

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ctagtaaaaag ggcaaactct tgcattgggag agttcaaggg ctaaactagg gtgggtccag 180
gcaagcacac tcaattgaag catttngcgt taagcaaggc ctgcccctaa aagggtcctt 240
ggctctcaat catcgaattg acacgctcct tttgggcctt atgagagatg tccaccttgg 300
tccactcgta gagcttcatg ttatagacct ggtgcattac aaacttggga acattctggc 360
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<210> 11334

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G3

<400> 11334

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actgataatt tgactttagt ttgcagtggg ggggggtggc aaagggaac tgtggcccac 180
atgtggtggt cccccagtta cacgtaactg tgtatcagag gctttcttat gttcttgaga 240
atcggagggg ggtggccttt tttgaggttg aagacgcttt cgatgactga gagctcgggtg 300
ggctg 305

<210> 11335

<211> 422

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-G4

<400> 11335

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aaagaagtcc atnccctga gggggggggg ggttgatact ttgggggggg ggacgagaca 180
tataatattt gctcgggaac aactggggca cgggaccctt cctttcttgc ttatcaccag 240
caaccaagcg ggccatttga gcttgcattg gggttctttt gagctggcgt tgttactggg 300

gttgcgtttt tggcctttgg ggttncggtg tacagggaaa aaccatgtta ggtttaccac 360
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 gt 422

<210> 11336
 <211> 276
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G5

<400> 11336

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 ttttttttta aattttattt tacagggggg gggggggggg gtcctttggg ggggggcggg 180
 cgggtttaga aaaaaagggt agggagcccc atttttttat tgggaacccc cccttttggt 240
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<210> 11337
 <211> 477
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G6

<400> 11337

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 aaacttcatt attgaactat aactcataag caatctaaaa gagggcacca ccaatgatgg 120
 gttgttggtg gaacactggt gggtttgtga aagcaagttg gttgaatggc agcaattggt 180
 gcagttgtaa gagggtgcca gcgttaggca tagcgtgcag gtagaacggc aacaactggt 240
 gttgtgtcaa gaaggcagca gggctcacat cagctagctg gctgaatggt agtagttggt 300
 gctgctgtaa ataagcagca gagttcaatg ctgctagtgt gttgaatgga agaaattgct 360
 gggggtaggc agcaactagc ttgctgaatg ggaattgttg gtgcaaataa gccgcagagg 420
 tcaatgcagc ctgttgggtg aatggaagga actgatgttg cttgagattt gcccaaca 477

<210> 11338

<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G7

<400> 11338

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accattatcg agtacatctc atatgtaatc taaaagatgg cacctccaac gatggggttc 120
tgcctgggca ggacaggatt catcaaagag aacgggttgt gtggcagcaa ttgttgctgc 180
tgttaggaagg cggcgaccaa tgggttagcc actaccaatg gattaagtaa ctgttgctgc 240
tggttgtaggt ccccgacaga gttcgacaga gtcagttggt tgaatggaag cagctgttgc 300
aagtaggcaa cagggtttgc cacagctagt tgagtcagag ctggtacaat ctgttgcaac 360
aattgttggt gcagggttgt aggtgcattg cccacagcga gc 402

<210> 11339
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G8

<400> 11339

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ctacacacgc aagcaattag ttcattgcgt tattaggttg tgccactggc caccactaca 120
ctacattaca ctagcacaag caagcagcta cacatacttg tccatattac ataaacgaaa 180
cagcatatat aagaagatgt cccaacatct ttgcaccacg cgcgagatca ggggccctgc 240
aggccgaact cttcagggcg cggccacgtt ctcttgggcg agcggggcga tctcctcgcc 300
ttcgacccct ggctcgccgc cggcgacccc gaggtgagc agcacgttct cccagttctt 360
ggcagggccc ttccaggaga gatcctggat catgcagttc cttaccatct ccttgtagcg 420
cggcgtgccg accaccttga tggcgcgctg gaatgtgg 458

<210> 11340
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G9

<400> 11340

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gcaccattat cgagtacatc tcatatgtaa tctaaaagat ggcacctcca acgatggggtt 120
gctgccacaa caaggcaggg ttcacaaaag agaactgggtt gtatggcagc aattgttgct 180
gctgtaggaa ggcagcgacc aatggggttag ccaccgctag tggattaagt aactgttgctc 240
gctgttgtag gtacgcagca gagttcgaca cagtcagttg gttgaatgga agcagctggt 300
gcaagtaggc agcagggttt gccacagcta gctgagtcag agctgggtaca atctgttgca 360
gcaactgttg ttgcaggtat gtaggtgcat taaccacaac gagagggtta gatgaa 416

<210> 11341

<211> 240

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-H1

<400> 11341

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actataactc ataagcaatc taaaagaggg caccaccaat gatgggttgt tggtagaaca 120
ctgttgggtt tgtgaaagga ggttggttga atggtaggaa ttgtgtgagt tgtaagaggg 180
tggtaggggtt aggcatagtg tgcaggtggt aagggaacaa ttgttggtgt gttaagaagg 240

<210> 11342

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H10

<400> 11342

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gctgccacga caaggcaggg ttcacaaaag agaactggct gtatggtagc aattgttgct 180
gctgtaggaa ggcagtgacc aatggggttag gcaactgctag tggattaagt aactgttgctc 240

gctgtttag gtaccagca gaggcgaca cagtcagtg gttgaatgga agcagctgtt 300
gcaagtaggc agcaggggtt gccacagcta gctgagtcag agctggtaca atctgttgca 360
gcaattgttg ttgcaggtat gtaggtgcct taccacaac gagagggcta gatgaaagcc 420
attgttgctg ttgtaggtag gcggctgggt tcaccatg 458

<210> 11343

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H11

<400> 11343

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gattcaaac aactgaaata atccaagtct agcaatttct tgtaatacag tgaagcagcc 120
aacaaagaag atacaaaaga gaccagagta gcggcaacat taagtattca tcgtttcaac 180
atgaaaccct taatcaattc cttcatcaca agagtatcgg gtgtctttag ccatagttca 240
ggcggaacat gtcattctgc acgaagaagg acccagcggc cggcagcaaa tggaatgcct 300
gggagaactt gatgggggtgc tcctcggggc cgggtgcgtat ggaaccggag acgaagacga 360
gcatgcctcc ctggggaccc gatggctggc agtctacggg gacgatctga tgctcgcagg 420
cctggaaagg gagagatccg agcttgccgg caatggcgga ggggccctgg aacttctggc 480
cctcgaaggt gagcatggag gttttctggg acagcccaac cagcg 525

<210> 11344

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H12

<400> 11344

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cgtggggatg gagcacgtcc cggggaggag ccgccaggga gtgcggcttc gatggcaagc 120
tgaggccct ggagccgcgc cacaaggtgc agtctgaggc cggctccgtc cagtacttca 180
gccggttcaa cgaagccgac cgggagctca cctgcgccgg catcttcgcc gtccgcgtcg 240

tcgtcgacgc catgggcctc ctgctccctc gatactccaa cgtccattcg cttgtctaca 300
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 agcagcagta tggatacggg tatggatatg gacaccatca ccatcagcat gaccaccaca 420
 agatccaccg attcgagcag ggcgacgtgg tggccatgcc ggccggcgcc cagcaotggc 480
 tgtacaacga cggcgacgcg ccgcttgtgg cggctctacgt cttcgacgag aacaacaaca 540
 tcaaccagct cgagcctttc atgaagaaat tcttgctggc tgggggcttc 590

<210> 11345

<211> 201

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H2

<400> 11345

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 tggcaaatac ctccgtgtat taaaacttta gagctatgta gttgaaagac taatgaacag 120
 ggagtttaac catgagtaag ctttgggggg ggggttagagt ttaggagtag ttatttgggt 180
 aggttatttt ttaggttgtg t 201

<210> 11346

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H3

<400> 11346

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 ggggtttgggg ggaggtgttt gtgtaggggg gggggggggg ggggggggtg gggggggggg 180
 gggggggggg ggggttggggg tgggggtggg gagggggggg aaaggggggg gggggggggg 240
 gggggggggg gtgggggtggg gaggggaggg ggtggaaggg gggagagtgg gaggggggga 300
 gaggggtggg gggggggggg 320

<210> 11347
 <211> 219
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-N6-H4

 <400> 11347

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 cttatgtaca gttgcaggct acaggcctac tcccactgaa aagaatcggc accgaaccat 120
 caccgactctg ccaccgncag cgccgcggggc ggcaggtttt gcccggcata cagttgtttt 180
 gacaccgtgt tctggtcgat gaagttgaac agggcgagc 219

<210> 11348
 <211> 441
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-121-Q6-N6-H6

 <400> 11348

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 aatgaggggca ccattatcga gtacatctca tatgtaatct aaaagaggca cctccaacga 120
 tgggttgctg cctcgacaag acagggttta tcaaagagaa ctggttgtat ggcagcaatt 180
 gttgctgctg taggaaggca gcgaccaatg ggtagccac tgctagtggg ttaagtaact 240
 gttgtcgctg ttgtaggtag gcagcagagt tcgacatagt cagttgggtg aatggaagca 300
 gctgttgcaa gtaggcagca gggtttgcca caactagctg agtcagagct ggtacaatct 360
 gttgcaacaa ttgttggtgc aggtatgtag gtgcattggc cacagcgagc gggctagatg 420
 aaaagcattg ttgctgttgt a 441

<210> 11349
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-121-Q6-N6-H7

 <400> 11349

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tgaattacaa ctaataagca atctaaaaga gggcaccacc aatgatgtgt tgttggtagg 120
aggctgctgg gtttgtcaaa gcaagttgga caaagggcaa caattgttgt agttgtaaga 180
gggttgctgg gttagccgca aactgctggt agaaaggcag caactgttgc tgtgtcaaga 240
aggaagcacg gcttgcgtga gctagctggc taaatggtag taatatttgc tgctgcaaat 300
aagcagcgag gttcagtgcg gccaatgggt taaatggaag aagttgttgt tgatgagagt 360
aggcagtagc tagctggctg aatggtaata gttgttgctg caaataagca gcagggttca 420
ctgtaaatag ttggttgaat ggaaaa 446

<210> 11350

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H8

<400> 11350

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taccattac attacaaata tatgaaccaa acggcacttt gtttcttcgt tcgagcgggc 180
gacgacggta tgcaagtatg tttggtgaga tgaggtgtca gcatagatgt ccaccaaggt 240
gtcaaaccac gatgagaagc gaacagaagc agagccagga gtgaagacag gcgatgtttc 300
agccaacggc acacttcgga ttattagctc ctttcttcca ttcttttaca aataactcaa 360
cgatgctcta tgtggcaaac aaagggatta aggttctaca aggtctgtat cctctggatc 420
tgcgactcag cttgcgcgtc gctagctgaa ctatcaacag tgtgctcgat ga 472

<210> 11351

<211> 511

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H9

<400> 11351

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gcaccattgt cgagtacatc tcatatgtaa tctaaaagat ggcacctcca acgatgggtt 120
gctgcaaggc agggttcatc aaagagaact ggttgatgg cagcaattgt tgttgctgct 180
gcaggaaggt agcgaccaat gggtagcca ctgccaatgg attaatgaac tgttgctgct 240
gttgtaggta cgcagcagag tttgacacag ccagttgggtt gaatggaagc aactgttgta 300
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actgttggtg taggtacgta ggtgcattgc ccaccgagc cgggctagat gaaagtagtt 420
gtaggtagac ggcagggttc accatggcta gttgactgag cactggcata aactgttgca 480
gctgttggtg gtgctggtat gcaactacgt t 511

<210> 11352
<211> 629
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-A1
<400> 11352

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ggttaagttc tcaacagatg gacagagtct tctgtcaaga agtatggata gtactcttaa 180
gatatgggat ttgagaagaa tgaaaactcc tttgaaagta tttgaagatc tgccaaatca 240
ctacgctgag acaaatgcag catttagctc agatgagcag cttattttta caggaacatc 300
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aagaatcaac caggtgtttg caacagttgg agacaagaaa gaaggtggga ctcatatcct 480
gtacgatcct tctattagtc aaaggggagc tcttgatgtg gttggacgag caccaaggaa 540
aaagtctgtt gatgatntg aggtgcaacc tgtcatacac aatccacatg cattgccact 600
tttcagagat caaccaagtc gtaagcgtc 629

<210> 11353
<211> 667
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-A10

<400> 11353

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aggatggtag cccactgag gagggccaag aggttgaaga tgatggtgag cttccagcca 180
tgaagttcag aaactacctt ccccatgatg aacaacttcg aggaggcaag ctggctccag 240
tgtctcttcc caagtttgaa gacccaatta gtgccgaaac tgcagagcca aaggaagtgg 300
agaacctttt tggaacata gcaccaaaga atccaaattg ggatctgaaa cgtgatgtgc 360
agaagagaat tgataaactg gaaaggcgca cgcagaaagc gttggctgag attgcattgg 420
aacagcagag ggagaaggaa gccttggagg aatctcaaga ttgaccgacc tgtataagtg 480
accagtgact catgctggtt ggtccctcga gcagacgtca ttatcttatt tagataatgt 540
aatgtacttt gggatgctct gtgtatctac catcttggga tgtactgaat tgagtttggg 600
acgtgtatct acctaccatc ttgtattgtc agctcaagga tgtagcanac tagtagcaac 660
ttcaaaa 667

<210> 11354

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-A2

<400> 11354

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gcacctgcgc ttcgcgcgcg cgcgcctct gcccgcgcc gcccgagaa tttgttgcca 180
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catgcgattt gggcgcaagg ttgaggaccc tgacatgtta gaaaggattc ggctaaccat 480
catcaacaac cttctccagt accatcctga atcaagttag aagtttagcca tgggtgaatt 540
ttttgggata aaacctcctg agaagaggta gatgttgata ttgcaacaca tatagttgtt 600
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<210> 11355
<211> 684
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-A3
<400> 11355

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gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtag tagcaaacct 360
tgctgcctac tctcagcaac agcagtttct tccattcaac caactagggt cattgaactc 420
tgcttcttat ttgcaacaac aacaactacc attcagccag ctacctgctg cctaccccca 480
gcaatttctt ccattcaacc aactagcagc attgaactct cctgcttatt tacagcagca 540
acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct tgacacaacc 600
acagttgttg ccgttctacc agcacgttgc gcctaaacgc tgcaccctct tacactgcaa 660
cattgctgcc attaaccaac ttgc 684

<210> 11356
<211> 649
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-01-K6-A4
<400> 11356

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 tgggcctcgg ctacatgtac cactgcatcg ccatggagga gatcaccagg gcctccggcg 180
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 ataatcgaga aagggatgcc cgggttcagt actgctcaga aattggacaa acttggcatg 540
 agaggaagcg acacatgtga acttggtttt gagaactgct ttgtgccacg cgagaatgtc 600
 ctcggtgaag aagcaaaggt gtttatgtca tgatgtcagg gcttgatct 649

<210> 11357

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-A5

<400> 11357

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 ttattttacag cagcaacaac tactaccatt cagccagcta gctgatgtga gccctgctgc 180
 cttcttgaca caacaacagt tgttgccgtt ctacctgcac gctatgccta acgtcggcac 240
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 gttctaccaa caaccatca ttggtggtgc cctcttttag attgcttatg agttatagtt 360
 caataatgaa gttttttgga tgatgtttgt ggcgtcccag aaataagaaa gtacatttct 420
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<210> 11358

<211> 682

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-A7

<400> 11358

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cattttccca caatgctcac aagctcctat agcttccctt cttcccccggt acctctcacc 180
agcgggtgtct tcggtatgtg aaaacccaat tcttcaaccc tataggatcc aacaggcaat 240
cgcagctggc atcttacctt tatcaccctt gttcctccaa caatcatcag ccctattaca 300
gcagttacct ttgggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact 360
tgtgctagca aaccttgctg cctactctca gcaacaacag tttcttccat tcaaccaact 420
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tgctgcctac cccagcaat ttcttccatt caaccaactg acagctttga actctcctgc 540
ttatttacag cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac 600
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<210> 11359

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-A9

<400> 11359

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tcgactttta ttccacaatg ctcaacaacaa tacctctctc cggtgacagc cgcgggattt 180
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 <400> 11360

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<210> 11361
 <211> 665
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 11361

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 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11364

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<210> 11365

<211> 663
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11365

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<210> 11366
 <211> 657
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11366

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<210> 11367

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-B5

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aatcaaagtg agggtcagaa ttgtatggtg ttctttgata ttgcagtaga tgctccacta 420
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<210> 11368

<211> 667

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-B6

<400> 11368

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<210> 11369
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-B7

<400> 11369

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<210> 11370

<211> 638
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 11370

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<210> 11371
<211> 687
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-B9

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<210> 11372
 <211> 671
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-C10

<400> 11372

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<210> 11373
 <211> 626
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-C11

<400> 11373

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<210> 11374

<211> 679

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-C12

<400> 11374

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<210> 11375

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-C2

<400> 11375

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<210> 11376

<211> 678

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-C4

<400> 11376

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<210> 11377
 <211> 452
 <212> DNA
 <213> Zea mays
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 <211> 658
 <212> DNA
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<210> 11379

<211> 684

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-C7

<400> 11379

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcgggtatg 180
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actactacca ttcagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 600
gttgttgccg ttctaccagc acgttgcgcc taacgctggc accctcttac actgcaacat 660
tgctgcattc accaacttgc ttg 684

<210> 11380

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-C8

<400> 11380

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cattattcca cagtgtcac ttgctcctag tgccattatt ccacagttcc tcccaccagt 180
tacttcaatg ggcttcgaac atccagccgt gcaagcctac aggctacaac tagcgcttgc 240
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cctacaaacc attgcaacgc aacaacaaca acaacaacag tttctgccat cactgagcca 360
cctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcat ccaaccact 420
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gtcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt catctagccc 540
gctcgcggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac aaattgtacc 600
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<210> 11381

<211> 665

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-C9

<400> 11381

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actttgcatg ccaaccacct cccacgtggt gatgcagcag tggaacggcc attggtcagg 180

ctgctgaagc catttgatga gcttgttggt gacagcaagg attttgatgt cgctgcactg 240
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aaccacccat acctcatgaa attcttccaa agctcagccc ccaaggctat gctgtttttg 360
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cagtactttg gcctgaaaga ggaccagaca ccccttatcc tcatccagga tggtgactcc 540
aagaagttct tgaaggttca cgttgaggct gaccagatcg tctcttggtt gaaggagtac 600
tttgacggca aattgactcc gttcaggaag tctgagccta ttcntgagt caacaatgag 660
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<210> 11382

<211> 674

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-D1

<400> 11382

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gctcacaagc tcctatagct tcctttcttc ccccatacct ctcaccagcg gtgtcttcag 180
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tacctttatc acccttggtc ctccaacaac cgtcagccct attacagcag ttacctttgg 300
tgcatttggt ggcacaaaac atcaaggcac aacaactaca acaacttggt ctaggaaacc 360
ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactgggt gcattgaact 420
ctgctgctta tttgcaacaa caactaccat tcagtcagct agctgctgcc taccctcagc 480
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agttgttgcc gttctacctg cacgctgcgc ctaaagctg caccctctta caactgcaac 660
aattgctgcc attc 674

<210> 11383
 <211> 678
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-D11

 <400> 11383

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tggcgctcgaa gcggatcctc aaggagctca aggacctgca gaaggatcct cccacctctt  180
gcagcgcagg ccctgttgcc gaagatatgt tctactggca ggcgacgatt atggggccat  240
cagatagccc atacgctggg ggcgtatttt tggtcactat tcactttcca ccggactacc  300
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cagagattgc tcacttgtac aagactgata gcgtagaagta cgaatcgact gctaggagct  540
ggactcagaa atatgcaatg ggctgacaag ctattgggtct ctgtagacc taaagcacgt  600
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tttgatatat aatggaag                                     678
  
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<210> 11384
 <211> 264
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-083-01-K6-D12

 <400> 11384

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acttgctttg acaaacccaa cagcgttcta ccaacaaccc atcattggtg gtgcctctt  180
ttagattgct tatgagttat acttcaataa tgaagttttt tggatgatgt ttgtggcttc  240
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<210> 11385
<211> 669
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-D2

<400> 11385

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tgctcgcaag ctctatagc ttcccttctt ccccggtacc tctcaccagc ggtgtcttcg 180
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tctgcttctt atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc 480
cagcaatttc ttccattcaa ccaactggca gcattgaact ctctgctta ttacagcag 540
caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgatacaa 600
ccacagttgt tgccgttcta ccagcacgct gcgcctaaac gctgcaccct cttacactgc 660
aacattgct 669

<210> 11386
<211> 469
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-D3

<400> 11386

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gcgncgcgcg cccccccga accgcggacc agcgngggg gggggggggg gggaaccag 180
nnccccaacc ccacaggagc caacaaaaaa acacagacgg cagccgaccg caaggacca 240

cggggccgcg gcaaacacga cccccagcac agcaacgacc cngggggcan ccaccggcac 300
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 gcaacagcaa gggccgccag gcaaccaacn agccgcacgg aaccccgnc cncaagcgca 420
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<210> 11387

<211> 684

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-D4

<400> 11387

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 gctacaacta gcgcttgccg cgagcgcctt acaacaacca attgcccatt tgcaacaaca 180
 atccttgcca catctaacc tacaaaccat tgcaacgcaa caacaacaac aacagtttct 240
 gccatcactg agccacctag ccgtggtgaa cctgtgcacc tacttgcaac agcagctgct 300
 tgcattcaac ccacttgctc tggcgaacgt agctgcatac cagcaacaac aacagctgca 360
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 acagttgctt ccattcaacc aactggctgt gtcaaaactct gctgcgtacc tacaacagcg 600
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<210> 11388

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-D5

<400> 11388

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gaggcagctt tttgtgcggg attcgaatct gcacagcagc actttgttaa tttcatgagg 180
ataatggaaa ggggtgaatc accaatccgc ttaggggacc tcccacttga gctggtgatt 240
gccatggcct acctgccgct ctataaggaa tgcatagaatt ccaatgggag acttttgcct 300
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atgcaaactt gaaggtaagc gcaggcatcc actctgaacc actgctgtca atgcaagcaa 480
aaaacaactt acaagggcaa tccacgccgt cttcagtgcc gccatcatgt tcctgcttgg 540
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<210> 11389

<211> 677

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-D7

<400> 11389

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cgaacaccta gctgtgcaag cctacaggct acaacaagcg cttgcggcga gcgtcttaca 240
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aacacaacag caacaacagt tctaccagc actgagccaa ctagatgtgg tgaaccctgt 360
cgctacttg caacagcagg tgcttgcatc caaccactt gctctggcaa acgtagctgc 420
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gaaccctgcc gctacctac aacagcaaca actgctttca tctagccctc tcgttggtgg 540
taatgcacct acatacctgc aacaacaatt gctgcaacag attgtaccag ctctgactca 600
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677

<210> 11390

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-D8

<400> 11390

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aggggtgggtg taaaactccc atattgagcc ctgctgaact tgaggaaatt ggtttcaggc 600
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<210> 11391

<211> 707

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-D9

<400> 11391

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caacatcaac aacaattcca gggatcatgac aagcagcaac aaccacaaca gcctcagcaa 180
tatcagcagg gccagngaaa aatcacaaca gcaacaatgt cattgccagg agcagcaaca 240

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<210> 11392
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 11392

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<210> 11393
 <211> 690
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-E11

<400> 11393

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tggaatcatg ccagggtaca tcccacaagc ctggcgctatt gngattgtat ctgcgtcttg 600
taccttgaca tatgaagcgg tgtttcaaac aacagctgta ggcttggggc agtcaacttg 660
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<210> 11394

<211> 659

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-E12

<400> 11394

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<210> 11395

<211> 662

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-E2

<400> 11395

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<210> 11396

<211> 694

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-E3

<400> 11396

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taacgattcc tgtatacttg gaagtagcta gctc 694

<210> 11397
<211> 632
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-E4
<400> 11397

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ggctgccagc gccagcgccc ggacctcctg cgtgccgggg tgggcatccc cgcacaaccc 180
gctcccagc tgccgctggg acgtgaccag ccggacctgc ggcacgggc cgcgcctccc 240
gtggccggag ctgaagagga gatgctgccg ggagctggcg gacatcccgg cgtactgccg 300
gtgcacggcg ctgagcatcc tcatggacgg cgcgatcccg cgggcccgg acgcgagct 360
ggagggccgc ctagaggacc tgccgggctg cccgcgggag gtgcagaggg gattcgccgc 420
caccctcgtc acggaggccg agtgcaacct ggccaccatc agcggcgctc cgaatgccc 480
ctggattctc ggcgcggaac cgatgccctc caagtaactg cgaagagcat agtgcagag 540
gaatgagctt gtagctagct catatgtctg aataataagc acagcaagaa gatgaatgca 600
tttctcgaaa aaaaaaaaaa aggcggccgc tc 632

<210> 11398
 <211> 685
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-E5

<400> 11398

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aatactcaca agctcctata gctgcccttc ttcccccata ctttccatca atgaccgctt   180
cagtttgtga aaaccagcc ctccaaccct acaggctcca acaagcaatc gcaacaagca   240
acttaccttt atcacccttg ttctttcaac aatcgccagc cctatctttg gtgcagtcac   300
tggtacaaac catcagggca caacagctgc aacaactcgt gctaccagtg atcagccaag   360
tagctctggc aaacctttct cctactctc agcaacaaca atttcttcca ttcaaccaac   420
tgtctacact gaaccctgct gcttatttac aacaacaaca actactacca ttcagccagc   480
tagctactgc ctactctcag cagcaacaat ttcttccatt taaccaattg gccgcactga   540
acccctctgc ttatttccag cagcaaatac tactaccatt tggccagcta gctacaacaa   600
gccccacttc ctttttgaaa cacaacaatt gcttccgttc taccagcnag ttgtggctaa   660
ccccgcaacc ctcttacaac tgcac                                           685
  
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<210> 11399
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-083-01-K6-E7

<400> 11399

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gcggggccctt tttttttttt ttttttttgc gcggcaattt tccaccagtt cctttgactt   60
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agcagggtgg tatgcaaaaa ctttaaaaag cttaaaaata tgctgttcac acaaagaaca   180
cgatacgaat ctgtagtaca gaaaacatcc agtgctgcta tgggatcttg ctaaactgaa   240
  
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attctgtgcc tgccttttgc gattctccgg gcaatcacct tgcgcccacc cttggtcgat 300
 ttacgtgtaa ggaatccatg ggttcttttc cgcttgatgg tactgggctg gtaagttctt 360
 ttcggaagca actggagagg gtcattagca acaggatcct caacgtcgtc gatgaagaag 420
 cggagcgagg ggaggccgca gggga 445

<210> 11400

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-E8

<400> 11400

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 tgctcctta tgctccttgg tctttctgca agtgctgcta cggcgaccat tttcccacaa 120
 tgctcacaag ctctatagc ttcccttctt ccccgctacc tctcaccaac ggtgtcttcg 180
 gtatgtgaaa acccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc 240
 ttacctttat cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg 300
 gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
 cttgctgect actctcagca acagcagttt cttccattca accaactagc tgcattgaac 420
 tetgcttctt atttgcaaca acaacaacta ccattcagcc agctatctgc tgcctacccc 480
 cagcaatttc ttccattcaa ccaactgaca gcattgaact ctctgctta tttacagcag 540
 caacaactac taccattcag ccagctagnc tgggtgtgagc cctgctacct tcttg 595

<210> 11401

<211> 669

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-E9

<400> 11401

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 gtctttctgc aagtgtgct acggcgacca ttttcccaca atgctcacia gctcctatag 120

cttcccttct tccccgtac ctctcaccaa cgggtgtcttc ggtatgtgaa aaccaattc 180
 ttcaacccta caggatcaa caggcaatcg cagctggcat cttaccttta tcacccttgt 240
 tcctccaaca atcatcagcc ctattacagc agttaccttt ggtgcattta ttggcacaaa 300
 acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc tactctcagc 360
 aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct tatttgcaac 420
 aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca 480
 accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta ctaccattca 540
 gccagctagc tgggtgtgagc cctgctacct tcttgaccaa ccacagttgt tgccgttcta 600
 cagcacgctg cgcctaacgc tggcaccctc ttacactgca acattgctgc cattcaacca 660
 actgctttg 669

<210> 11402

<211> 672

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-F1

<400> 11402

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 cttccttatg ctccttggtc tttctgcaag tgttgctacc ganaccattt tcccacaatg 120
 ctcacaagct cctatagctt cccttcttcc cccatacctc tcaccagcgg tgtcttcaat 180
 gtgtgaaaac ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240
 accattatca cccttggttc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
 ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttgctg tagcaaacct 360
 tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
 tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct acccccagca 480
 atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 540
 actactacca ttcagccagc tagctgatgt gaggcctgct gccttcttga cacaacaaca 600
 gttgttgccg ttctacctgc acgctatgcc taacgctggc accctcttac actgcaacaa 660
 ttgctgccat tc 672

<210> 11403
 <211> 722
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-F10

<400> 11403

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 agattggatg ggtaaataca gaggtgcaag tcagctagta cttttaccaa aaactactac 120
 tgaggtatct aagattcttt catattgcaa caccaaacga ttggctgtgg ttccacaagg 180
 tggcaacaca ggtctttag gtggaagtgt gcctgttttg gatgaggtga ttgttggcct 240
 tgcaggcatg aataaaatta tttcctttga taacgtaaat ggaattctta cttgtgaagc 300
 tggttgtgtg ttggagaatt taagtacctt cgtggaaaat gaagggttta ttatgccact 360
 tgacttggga gcgaaaggta gttgccacat cgggtgaaac atttcaacta atgctggcgg 420
 cctgcgtttt atacgctatg gttcacttca tggaaatgtt cttggtcttg aagttgtcct 480
 ggctgatggg actatccttg atatgcttac tactttaagg aaagacaata ctgggtatga 540
 tctgaagcac ttatttatag gaagtgaagg ctgctagga gtagtcacca aaatatcagt 600
 acttacacct gcaaagctat cttcaaccaa tgttgcatth ctttcctgca atgattacac 660
 aagctgccag aaaatactac tgnacgctag gaggagcttg ngtgagatct tgtctgcatt 720
 tg 722

<210> 11404
 <211> 669
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-083-01-K6-F12

<400> 11404

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 ctctgggcgc tcgctgcgag cgccgcctcc agtacaagcg gcggctgtgg ctgccagaca 120
 ccaccgtttc atctaccgcc tccgttctat atgccgcctc cgttctatct gccgccgcag 180

cagcagccgc agccatggca ataccocact caaccacgc agctaagccc gtgccagcag 240
 ttcggatcct gcggcgtcgg cagcgctggc agcccgttcc tgggccagtg cgtcgagttc 300
 ctgaggcacc agtgcagccc ggcggcgacg ccctacggct cgccacagtg ccaggcgctg 360
 cagcagcagt gctgccacca gatcaggcag gtggagccgc tgcaccggtg ccaggcgaca 420
 tacgggtgtg tcttgcagtc ctctctgcag cagcagccgc agggcgagct cgcggcgctg 480
 atggcgggccc atgtagcgca gcagctgacg gcgatgtgcg gcctgcagct gcagcagcca 540
 ggcccttccc cttgcaacgc agctgccggc ggtgtctact actgaggaaa ctatgtactg 600
 tagtaataat gtaatggagc cgctgactag ctacctagct cgctagtgtg ctcatttagc 660
 ggcgatgag 669

<210> 11405
 <211> 692
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-F2

 <400> 11405

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 actcaaaaaa ccatgaagct ggtgcttgtg gttcttgcct tcattgcttt agtatcaagt 120
 gtttcttgta cacagacagg cggctgcagc tgtgggtcaac aacaaagcca tgagcagcaa 180
 catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
 cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca tcagcaacaa 300
 caagaagttc atgttcaaca acaacaacaa caaccgcagc accaacaaca acaacaacaa 360
 caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcacia 420
 ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480
 caacatcaac aacaattcca gggctcatgac aagcagcaac aaccacaaca gcctcagcaa 540
 tatcagcagg gccaggaaaa atacaacagc aacaatgtca ttgccaggag cagcaacaga 600
 ctacaaggtg cagctataac tactatagca gtagctcaaa tctaanaaat gtcatgaatt 660
 tctaaagcag cagtgcagcc cctttgtaat gc 692

<210> 11406
 <211> 640
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-F3

<400> 11406

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cgctagagag gaccggcggt gcactcccct ttctccaggc ggccatcgat gtcgctcacc 180
gcaggtctgg cctgttccgc gacccttcgg cggtgagcaa ggttaccgcg atggcggcgg 240
ccgtcagggc gcaggtggag accgaggaga gggcagccag agaggtcaag aggaaggcgg 300
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acgttagaca accaaatgct ggcaatggtc ttgatttggg gaagtactca tggactcaac 480
agttgcctga ggttaacatc actattcctg ttctcaagg aacaaaatca agatttgtgg 540
tcgttgatat aaagaagacc atctgaagg tgttctgaag ggccagccac ctatcattga 600
tggtgagctc tataagccag ttaaggttga tgattgcttc 640

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<210> 11407
 <211> 677
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-F4

<400> 11407

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aatctgacct gggccacact ccgctgctcc gccatggcga tccgctcaa ggctggatc 180
tcgctgttgc tcgcgctggc cgtcgcgctc tccgcccggg cggaggagga gcccgccgcc 240
gccgcggagg gcgaggccgt gtcaccctc gacgtcgaca gcttcgacga ggccgtcgcc 300
aagcaccctt tcatggctgt cgagttctac gccccctggg gtgggactg caagaaactt 360
gtccagagt atgagaatgc ggccaaggca cttagcaagc atgaccacc gattgttctc 420

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gctaagggttg atgctaacga ggagaagaac aggccgcttg ctaccaagta cgagatccaa 480
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 cctagggagg ctgatggcat tgtggattac ttgaagaagc aggttggccc tgcgtccaag 600
 gagatcaagt caccagaaga tgcgacggcc cttatcgatg acaagaagac tacattgttg 660
 gtatcttcgc tgaattc 677

<210> 11408
 <211> 173
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-01-K6-F5
 <400> 11408

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<210> 11409
 <211> 671
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-F6
 <400> 11409

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 tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag tatgtgaaaa 180
 ccagctctt cagccctata ggctccaaca agcaatcgca gcaagcaaca tacctttatc 240
 acccttggtg tttcaacaat cgccagccct atctttgggtg cagtcattgg taaaaccat 300
 cagggcacag cagctgcagc aactcgtgct acctgtgatc aaccaagtag ctctggcaaa 360
 cctttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt ctacactgaa 420
 cctgtgctgt tatttgcagc aacaactatt accattcagc cagctagcta ctgcctactc 480

tcagcaacaa caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt 540
gcagcagcaa atactactac catttagcca gctagctgca gcaaaccgtg ctctcttctt 600
gacacagcaa cagttgctgc ctttctacca gcagtttgcg gctaaccccg caacctctt 660
acaactacaa c 671

<210> 11410
<211> 693
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-01-K6-F7
<400> 11410

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attgcttttag tatcaagtgt ttcttgtaga cagacaggcg gctgcagctg tgggtcaacag 180
caaagccatg agcagcaaca tcattccaca caacatcatc caaaaaaca acaacatcaa 240
ccaccaccac aacatcacca gcagcagcaa caccaacaac aacaagttca catgcaacca 300
caaaaacatc agcaacaaca agaagttcat gttcaacaac aacaacaaca accgcagcac 360
caacaacaac aacaacaaca acagcaccaa caacaacatc aatgtgaagg ccaacaacaa 420
catcaccaac aatcacagg ccatgtgcaa caacacgaac agagccatga gcaacaccaa 480
ggacagagcc atgagcaaca acatcaacaa caattccagg gtcattgacaa gcagcaacaa 540
ccacaacagc ctgagcaata tcagcagggc caggaaaaat acaacagcaa caatgtcatt 600
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taaaaaatgt catgaattcc taagcagcag tgc 693

<210> 11411
<211> 626
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-F8
<400> 11411

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 gcaaccctac aggatccaac aggcaatcac agctggcatc ttacctttat cacccttggt 240
 cctccaacaa tcatcagccc tattacatca gttacctttg gtgcatttat tggcacaaaa 300
 catcagggca caacaactac aacaacttgt gctagcaaac cttgctgctt actctcagca 360
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 acaacaacta ccattcagcc agctacctgc tgcctacccc cagcaatttc ttccattcaa 480
 ccaactggca gcattgaact ctctgctta ttacagcag caacaactac taccattcag 540
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<210> 11412
 <211> 113
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-F9
 <400> 11412

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<210> 11413
 <211> 641
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-01-K6-G1
 <400> 11413

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 gtcctatag ctcccttct tccccatac cttccatcaa ttatagcttc aatatgtgaa 180
 aaccagctc ttcaaccata taggcttcaa caagcaatcg cagcaagcaa cataccttta 240

tcgcccttgt tgtttcaaca atcgccagcc ctatctttgg tgcagtcatt ggtacaaacc 300
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 aacctttctc cctactctca gcaacaacaa tttcttccat tcaaccaact gtctacactg 420
 aaccctgctg cttatttgca gcaacaacta ttaccattta gccagctagc tactgcctac 480
 tctcagcaac aacaacttct tccatttaac caattggccg cactgaaccc cgctgcttat 540
 ttgcagcagc aaatactact accatttagc cagctagctg cagcaaaccg tgcttccctc 600
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<210> 11414

<211> 251

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-G10

<400> 11414

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 ttagcatggt gttggtcgat acatgatctt gattgcagcg aacacaacag atagacgaaa 180
 tcatctaaga gcacccctca aattattatt tagtcagtca ttacataaa aactatttta 240
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<210> 11415

<211> 680

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-G12

<400> 11415

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 tttcccgcga tgctcgcaag ctccatatagc ttcccttctt ccccggtacc tctcaccagc 180
 ggtgtcttcg gtatgtgaaa acccaattct tcaacctac aggatccaac aggcaatcgc 240
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gttacctttg gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt 360
gctagcaaac cttgctgcct actctcagca acagcagttt cttccattca accaactagg 420
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<210> 11416
<211> 672
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-01-K6-G2
<400> 11416

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aatgctcact tgctccgagt gccattattc cacagttcct cctccagtt acttcaatgg 180
gcttogaaca cccagctgtg caagcctata ggctacaaca agcgcttgcg gcgagcgtct 240
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aacaacaaca gttgcaacag tttctaccag cgctcagtca actagccatg gtgaacccta 480
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ctacatacct gcaacaacag ttgttgcaac aacagttgct gcaacaaatt gtaccagctc 600
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aactgactgt gt 672

<210> 11417
<211> 662
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-G3

<400> 11417

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aacaacaaca actaccattc agccagctac ctggttgcta cccccaacaa tttcttccat 480
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tcagccagct agctgggtgtg agccttgcta ccttcttgac acaaccacag ttgttgccgt 600
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<210> 11418

<211> 70

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-G5

<400> 11418

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<210> 11419

<211> 564

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-G6

<400> 11419

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 tttcttccat tcaaccaact gtctacactg aacctgctg cttatttgca gcaacaacta 180
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 caacttgctt tgacaaaccc agcagcctcc taccaacaac acatcattgg tgggtgcctc 480
 ttttagattg attattagtt gtaattcaat aataaagttt tttggatgat gtatgtggcc 540
 aaccagaaat aagaagttac attt 564

<210> 11420

<211> 684

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-G7

<400> 11420

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 ctatacaatc ctacaggcta caagaggcca tcgcagcaag catcttaagg tcgttagcat 240
 tgaccgtcca acaaccatat gccctattgc aacaaccatc cttaatgaat ctatatctcc 300
 aaagaatcgc agcacaacaa ctacaacaac agttgcttcc aacaatcaat caagtagttg 360
 cagcgaacct tgctgcttac ctccagcaac aacaatttct tccattcaat caactagctg 420
 ggggtgaaccc tgctgcttac ttgcaggcac aacagctact accattcaac caacttgtca 480
 ggagccctgc tgctttctta ctgcagcaac agttgcttcc attccatcta caagttgtgg 540
 caaacattgc tgctttcttg caacaacaac aacaattgct gccattttac ccacaggttg 600
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<210> 11421
 <211> 653
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-083-01-K6-G8

<400> 11421

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ctcccttatg ttagcacaac tgaggaaaca gctatttctt cattgaagag gtcgcttggt  180
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cctcttgact tgctgccacc aagcaagatg gtccttgatg actggaagag gctatactca  600
aacacaaaga ctaacttccg ggaggttgcc atcaaagggt tctgggacat gta      653
  
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<210> 11422
 <211> 704
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-083-01-K6-G9

<400> 11422

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actcacaagc tcctatagct gcccttcttc ccccatacct tccatcaatg accgcttcag  180
tttgtgaaaa ccagccctt caacctaca ggctccaaca agcaatcgca acaagcaact  240
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tacaaaccat cagggcacia cagctgcaac aactcgtgct accagtgate agccaagtag  360
  
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ctctggcaaa cctttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt 420
ctacactgaa cctgctgct tatttacaac aacaacaact actaccattc agccagctag 480
ctactgccta ctctcagcag caacaatttc ttccatttaa ccaattggcc gcactgaacc 540
cctctgctta tttccagcag caaatactac taccatttgg ccagctagct acaacaagcc 600
ccacttcctt ttgaaacaa caacaattgc ttccgttcta ccagcagttt gtggctaacc 660
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<210> 11423

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H1

<400> 11423

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ttcccttctt cccccgtacc tctcaccagc ggtgtcttcg gtatgtgaaa acccaattct 180
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cctccaacaa tcatcagccc tattacatca gttacctttg gtgcatttat tggcacaaaa 300
catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct actctcagca 360
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ccagctagct ggtgtgagcc ctgctacctt cttgatacaa ccacagttgt tgccgttcta 600
ccagcacgct gcgcctaacg cntgcacct cttacactgc aacattgctg ccat 654

<210> 11424

<211> 686

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H10

<400> 11424

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gacgacagtg ccgagcctgc taatcctggt gccagtgaat ttattgtaac ccagcttgca 180
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gttgaggaag cgatgaattg gtcctctcg cacatggatg atccagatat aaatgaccca 300
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atctcctttg gattccagga agacattgcc ataaaggccc tgaaagcttc tagtggtaat 420
atcgagaaag ctacagactg gattttcagc caccocgaag catctacctc agcatctgct 480
gattcttcca ctagcaatgt aaatgctgat gacacatata ttccagatgg aagtggcaga 540
tacaagctga tggcggttcgt gagccatatg ggcacctcta cccactgcgg gcactacgta 600
gtcatgtcc tcaaagacgg gaggtggaca atctttaacg acagcaaggc cgcagtatct 660
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<210> 11425

<211> 690

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H11

<400> 11425

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gcaatgctcg caagctccta tagcttcctt tttcccccg tacctctcac cagcgggtgc 180
ttcggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg 240
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aaaccttgct gctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt 420
gaactctgct tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta 480

cccccagcaa tttcttccat tcaaccaact ggcagcattg aactctcctg cttattttaca 540
 gcagcaacaa ctactaccat tcagccagct agctgggtg agccctgcta cttcttgat 600
 acaaccacag ttgttgccgt tctaccagca cgctgcgct aaacgctgca ccctcttaca 660
 actgcacatt gctgccattc accaacttgc 690

<210> 11426

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-H2

<400> 11426

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 gcgatccgac atccagagag aggacgcggt gatgttcggg ctggagactc ccctgatggc 120
 cgcgctgcag cacctgctgg acgtgcccga cggcgacgccc ggcgcgggcg gcgacaacaa 180
 gactgtcagc ggcggcagcg ccacgcgac ctacgtccgc gacgcgcgcg ccatggcggc 240
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 gctgggcacg ggcgacatcc ggtgacaggt ggaggacgag cgggtgctgg tggacagtgg 360
 cgagcgggcg cgaggaggag cgcaggacga cgccaaggac ctgcgcatgg agcgggggat 420
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<210> 11427

<211> 350

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H3

<400> 11427

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 gggggggggc ctcttttaaa gggaggaaga gggggggggg ttttaaaacc ccaaaaaaaa 120
 aaaaaaaaaa aaanncgagg aggggggggg gggggggggg ggccctcccc cccccccggg 180
 gggggggggg gggggggggg ggccccccgt ttattggggg gggggagaaa accccccccc 240
 cccccccccc cctcgccgc caaaaaaaa aaaaaaaaaa aaaaaaggaa aagccccccc 300

ccccccccc cccccccnn cncngggggg gggggggggg gggggggggg

350

<210> 11428

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-H4

<400> 11428

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tctgctggct ggctccttgc tgcgcgaggc tgctgctcct cctttttgca gccgtccatt 120
gtgtgggggg gggggtcggc gcttgttcct gggcaggcca tggggcgatg tcagtgggca 180
ttggtcttga catttccaag cgaccactct ttgcggtcgg ccgaagttta aacttgccga 240
ctgtgtatct gtgggtacaa caagtgttgg cgctcctgcc actctaaccg gtggttccgg 300
ccctgattg ctagtgtcgg tc 322

<210> 11429

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-H8

<400> 11429

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gaccccaag gagctcaagg acctgcagaa ggatcctccc acctcttgca gcgcaggccc 180
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cgctgggtggc gtatTTTTTgg tcactattca ctttccaccg gactacccat tcaaaccacc 300
gaaggttgca ttcaagacga aggtttacca tccgaatatc aacagcaacg ggagcatctg 360
tcttgatata ttgaaggagc aatggagccc tgactgaca gtttctaagg tctcctctc 420
aatttgttcc cttctgacgg acccaaaccg tgacgatccg ttggtcccag agattgctca 480
cttgtaacaag actgatcgcg tgaagtacga atcgactgct aggagctgga ctcagaaata 540
tgcaatgggc tgacaagcta ttggtctctc gtagacctaa agcacgtact gccttctgta 600

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643

<210> 11430

<211> 675

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H9

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gacacgtact tctccgccga ggcccccgac gtgccgtcca tgggtgctccc catctgcgac 180

gacttcgacg gcttccaggc ggccaccaag gatatgggtga agaataagaa ggggacgacc 240

acgcttgect tcatcttcga caaggcgctc atcgtcgccg ctgattccag ggccagcatg 300

ggcgggttata tatcctcaca aaccgtgagg aaaattattg aaataaatcc ttacatgctg 360

gggacaatgg ctggagggtg tgctgattgc caattttggc ataggaacct aggaaccaag 420

tgctcgtctcc atgagctttc aaacaagcga aggatctcta ttgctgggtgc ttccaaactg 480

ttggctaaca tcctttattc atatcgtygg atgggactgt cgattgggtac aatgatcgct 540

ggatgggatg agaagggtcc tggcttgtag tatgttgaca gtgagggtgc ggggctcgtg 600

gngacaggtt ctctgttggc tctgggtcac tgtatgctta tggatatctgg gatgatggtt 660

accgcttcag catgt 675

<210> 11431

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A1

<400> 11431

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cataatataa atcaaagtac acagaatcga aacatagccg atgtaaacia acccaccaca 120

agcagctgac tggaggaggt cgctagccta atcctcgaac tcgtcgaagt cttggaactc 180

ctggagatca gcctctacac ctttttcttt acctgagcat agattgcacc aaaggaaacc 240
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 gctgaagtgg actagcttta tgtgggttta ggggtcaagca gttgctttta gttggtcagg 360
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 ctctttccaa acggaaagaa tacctaaaat cataatcata atagaaacca acattttcct 480
 catcatcatc tataaacaaa acatctctga tcaatgtgtc tctaataat ggagctccct 540
 tggccgctta taactgcgag cacggctgat ata 573

<210> 11432

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A10

<400> 11432

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 tatattgcta acatactgca acatcaaaca tatcaaatta caggtacaat ggaaccaccg 120
 accaggccag ttcacttctt cttttgcctc gcaactgatt ctttagctac ggcgtgcgct 180
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 aatacagccc acgcagctcc gagaacattt cctgtagcgt ggaggtaatt gtgtgtggct 300
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 gaagcaagaa taacttcgcc aggcattaac ttgaaaaact tttgtgctgg tttggagtcc 480
 aacacggtgc ttgtgacaaa gccagtgact ttcagaacac cagacaggat tgagtttgcc 540
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<210> 11433

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A11

<400> 11433

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 gcattttcac tataccgatg atctttttca ccagaagcat ccacggaagg catgtcaaca 180
 gaaccaacct ttgatttctt gcgcttcttc acttgcgagg tattttgact tgtttgcctc 240
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 ggggcacaac ttccttttgt agtctttcct tcaatagcta ctttttcacc tgtagaataa 420
 atgtcatctg caattaaagg atccctacat cccttgagag catgatcaaa cttctcttgt 480
 tcagagattt aatcagtaga tgcttgatca tcgctcacaa acttaacact tttgcccccc 540
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<210> 11434

<211> 422

<212> DNA

<213> Zea mays

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<400> 11434

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 tttaaaccgg ggaccctttt gggggggata cattaacacc ccccccccc tgggtacctc 180
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 aagaaaaggg gggcccttgt ttcgggcaag ggcccttcc caaacggtt caaacgtttg 300
 tttccccccc ccccaaaagg actacttggg aaactgggac tttttaaggc ccccccccc 360
 cctggggggg ccctctcccc agaacttttc cgggggggta aaacccccct ttttccccat 420
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<210> 11435

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A3

<400> 11435

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tacccttgaa gtttttgatt ccccttcaa gttttccaac acttggcaaa gttttgtttt 180
tttttgcttt tcattctcaa gccaacctg aaaatcctga acctttaaaa aagcataact 240
tatttacttt cgatcacacc cttgtaaatg cctccaaact tgtaaatcaa ggggccaggg 300
gggggccact tgccaaagtc cacatggcca ataaccacaa tggtgaaatg ggactttttt 360
ttacccatga ctagagggga agcttaaact tggaacaatt agccccactc atttttgcaa 420
aaataaaccc caaactggcc ctggtgtaaa ttgctgcaac ccct 464

<210> 11436

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A4

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tacccttgaa gtttttgatt ccccttaaa attatccaac acttggcaaa attttgtttt 180
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ggggggccact tgccaaaatc cacatggcca aaaaccacaa tggtgaaaag ggactttttt 360
ttacccatga ctagggggga aacttaaact tggaacaatt agccccactc atttgtgcaa 420
aaataaaccc aaaactggcc ctggggta 448

<210> 11437

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A5

<400> 11437

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 acccgggggg gaaaaagggg gggaaggaaa aacccaaaaa ttttgggtggg ggggaaaaaa 120
 aaaaaaaaaat tgggaaaccc tttaacaaaa aaattggggg acaaaaagga aaaaaataa 180
 accccccccc ctaaaaaagt tttgggaaaa aaaaaaacgg gggggggcca aaaaaaatt 240
 ctcaaaaaag gggggaaaaa accaaggggg ggggggaggg aaatatccat ggggggggac 300
 ccccggggga aaacccccga aaaaaaaaaa acccccccaa gggaaaaaaa ggggggggaa 360
 atccgggggt tttccaaaaa aaaaaacccc cggggaaaaa aaaagggggc ccgggtttgc 420
 cccgggggaa 429

<210> 11438
 <211> 577
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-098-Q1-N7-A6

 <400> 11438

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 gggtcaggaa agtaaagcac tgggtctcgc cacttcaaac agaagtgaac attgacaaat 180
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 aactagacgc catgaaacgt tcatatgact gcttagg 577

<210> 11439
 <211> 563
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-N7-A7

<400> 11439

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gcaaatacagt ttacagagtg ataaaaccaa gacatgtcgc tggagcaaat cagtttacag 180
agtgataaaa ccaagacaag cttcaggctg gctgctcata agtgatgctg ctattcttgt 240
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ctgatgggct tagaactttg aactcacggc cagctcgaat aattccgatt tcaatgttgt 360
tggaggaaat ttgccctca tatccttctt tcaaagtcaa aattgcagtg tggatggcat 420
catcaagctc catatcctct gngtatctct tttcaaaaaa tgtctttgca tttgacacat 480
tttttcccat ggctgatgcc ttccaggaga agttgatcct gagggatcaa cctgatacaa 540
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<210> 11440

<211> 530

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A9

<400> 11440

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gagcatcaca agttccttaa aaagactttt tcccttttgt ttagtactac gcaggacgga 180
gagcaaaacg aggcttttag gtggctgtag gaacgctgcc tccggtctgg tgaagcatgg 240
cgctgatctc gtcgccgtcc tccatctcca gctcatcagg ggtctgctcg ccgcaagcc 300
tgccggccatc aaacaggaac gcaatggcat tcatgtccac agactggcgg tcacaataag 360
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cctgtccctt gaccttaagg ttgatgtggg cgccgccctc cgggggcttc ttgtctctct 480
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<210> 11441

<211> 564

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-B1
 <400> 11441

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cccccaaaaa aaacccaacc ctaaaaaaa aaacttttaa aaaaaaacc ggaaaaacat 300
ccttcgggcc caaaaaatt gcccgggggg ggcccaaaaa accttgcccc cccccctttg 360
aaccaccccg gggccaaaa caaccggtcc aaaccacc cccggggcaa aggggagctg 420
ggtgaaaacc cttggggacc ccccaaacc tttttttttt ttccaaaaa acccccccg 480
gttttatggg gaacctaaag ggaccccccc ccaaggggaa aaaaccccc cccccagg 540
ggggatgggg ggggggcccc ttgg 564

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<210> 11442
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-B10
 <400> 11442

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gacagatcca agtaccaca cctctctact ggtaccagtt ccatccaatt cggaccacca 180
cccgaccccc atttgagcaa atgaaaccac ggggagctga atcatcatta ccaatactcg 240
caccagaagc ggagctgac tgcccggccg ggccgctgct cgatcgctt gaagcactcc 300
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atccctgaac cagcgtggaa ttcacgacgg gagga 395

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<210> 11443
 <211> 596

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-B11
 <400> 11443

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 gttttgagcg gcggggtgga ctgccactac gcaatgagga aaggcagcac ggtcagcatg 180
 aaggcctcgt aggtgaaagt cgccgaccca gagtaggcgg tgtccttctc cttgaacttc 240
 tctgtcagcc ccttaacagt gaggcagcat tcaatgaagt tgatcataatc gattgctttg 300
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 gaatatccga gactgagaag agcatcgcg agttctgaca tgtcgatcct gccacttcga 420
 tcacgatcaa acctctcaa tattgctctc cagttctgaa gactgtaaaa cacagaagta 480
 aattccttgg gtccgatctt gcggacgttg gtgttggtga agaggtacat gaggaggtgg 540
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<210> 11444
 <211> 549
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-B2
 <400> 11444

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 caatatggca tgcttctgcc tgctggagtt ctaaaataat aaaaaaaaaac tagcgtgggc 180
 gatctggaga tgactgtcca aaagggcgat ccatgtatgg ccagagggaa aaaaaacccc 240
 gctaaaatca gcataagcat acatacatat ccaatcaaac acatttggag atgactgtcc 300
 aaaagggcgc catttctcga gccacaacgt cacaatgcag caactcgagc tttgcatttc 360
 tcctagcagg cacatcgaag cgttcggtct tccaagtcgt cagcaacatt cagtctgaa 420
 ccggcgaggt gactggagtc aacgaggacg aagtatcagc ggatacgtac agcaccagcc 480
 actgctccaa acacggaaag catggcccct gcttaaactt gctatgaaaa gcaaagcgag 540

cggtttgc

549

<210> 11445
<211> 540
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B3

<400> 11445

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aagaaaagaa catgtccact atgcctaagg acggagcggg gggaggccaa atacggcccg 120
cctggccttg gtatactcca gaagcctgtc cacgtccggg atcagcccct tgacaccctc 180
cagcgcgcaa aaccgctccg ccacgcccgc cagcagcggg gtcctgccgg cgtcgagggc 240
cttcaccccg caaatggcct cgggggcgta cagccacca acaaggccgc cgagcacgac 300
gtcgacgagc ccacgctgt cccctccgaa gaaggccttc cccttgagc actccctgaa 360
cgctgtctcc agcgtttcca gcgcgcgac gggctgcctt gccgccttcg ccattttctt 420
cgccgtcttg cccctgaaca cgggtatcca cgcgctgtag aacttgctgt cgacgtagga 480
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<210> 11446
<211> 469
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B4

<400> 11446

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accaggacat tcgtaacaca aacttggggg ggaagacca ccaaaggacg ggcaccaca 180
cgtacaggga acacagcatt ccgagacgac ctttttgata ctgacaaaaa cccaccggg 240
catccatcca tgcattgatg acttggttac gaggaacccc tggcgtcggc gaaagcgccg 300
ggaccttcac ctccccgga gccggactcc tgggccctgc cctggatggg ctggcctgcc 360
tgcagcggtc ttggggcccg tttgggccgg gggcttggtt attctgcggg gcgcctctc 420

caaatagtcc ggggtgggct ggaacgcctg cccccccctg ttggcgagg

469

<210> 11447

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B6

<400> 11447

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acaaaaatct aggaaaccgg gccctccca caaatggaa agcacaaaac agggaacca 180
aaggaaaaac cccccagta ccaggccac ccccaaagg acagggcccc cttaaccccc 240
caacccaac aaggggcggc cctggcgctt gagggcgtaa accacctcca agggggggac 300
cggttttcga cgggcgtgcc caatgtaagg gaccgcgtcc cggatgacct tctcaagaaa 360
aaacttgagc acccccggg tctcctcgta aaagaacccc gaaaagccct ttacgcccc 420
cctcc 425

<210> 11448

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B7

<400> 11448

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tagctagacg attcgttgat tcatttatgc tgattatggt cagttagaa cttggaaagc 180
agcttcccc ttgctgatga actgaacca gcttatTTTT ttttgaatt tatttagagc 240
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tgcaggccac tgcctccagt tgtgggcgt ggatccttga actgctcttc agtaactcct 360
ttgcccattg ctgcagtcga ggagatgcca cctgcacag ccttgagcac cctgtcgtag 420
aaattggcgc ccgaccactt ctgatgctcc agcgtctcca cgccgttgat cctctctctc 480

ctctggatcc tctccacgta ggccagcatg ccgcggcgtg cgaagtcccg cgcgaaacgtg 540
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<210> 11449

<211> 537

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B8

<400> 11449

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 atctagattc gacgttctac actcagaata tcctcgctag tcagagccta ctcataaaca 180
 tacaacaaca aaatcaccat acacagcttc ataagcaggc aaaaccccg c aacagagcaa 240
 gatactcagg ttggccgtct ctctaattctc ttgggcatat tgatgtcgtc cctcaattca 300
 gcactctagc tccaataaca aaattgtctc aactccaccg ctgactaaaa gctaagggag 360
 gtagaaaaaa ctgcagtcac tctcaaagga tgacagctgc cttgtctgga gtaacatgct 420
 ggaggacagt ggcgatcaaa ggctcgtaat ggtcagcacc agcaccacac catgctgttc 480
 ctttcatgaa aagaaaaatc ggtggctcgc aaacttctcc tcgagaactg tgtggga 537

<210> 11450

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B9

<400> 11450

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 ggcttggggg ttgttttgat ccacaccctt cgcttcgcac gattttcagc tagcgtacca 180
 aactaaata gactcaaatt tcgcaagag 209

<210> 11451

<211> 484

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-C1
 <400> 11451

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ccccctcca accaaaaaac aggggaagaa aaggggtccc gatttgcgcg ggggccaaag 180
gggccaaaaa ttgggctttt attcccaaaa acacgtgaaa aaaaaagggc ggcaaaaaag 240
gcaccctta aaaagggggc ccccgggacc ggggggaacc aaacaaaaa aaaggggcg 300
ggcccacaaa agccccgggg gcgaaaaaaa cccaaaaccc gggggcgggg ccccccccg 360
gggcttacca aaacaccagc tttaagaaag gagaggccaa accaaaaccc cccccggggc 420
aaaaaaaggc cgggcccga tcaccccca aaaaattggg aacaaaaacc ctggtggggg 480
ggcc 484

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<210> 11452
 <211> 601
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-C10
 <400> 11452

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gatggatcaa tcaataggcc aacaatctgg ccgtcttggc gaggcacttg tcgggctccc 240
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cggggcccga cgtgaagttg gcggcgaga ggcgcccccc catgaagggg tccggcgctc 480
acgcggggtc cgggcagtgg ccggcctcgt ccgcgtgcgc cgtcgccatc ttctcgcggt 540
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<210> 11453
<211> 575
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C11

<400> 11453

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agttgtgccg accggacagg caaaacatgc tgggggcccc tagcattttc cagcatcttg 180
gggcagctaa agaattctca ggcgtcattg gcatatgggg actcgtcgcg ttgtggctgc 240
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ctgctgttat ttctgggagg aggcggcggc agcggcgggtg acctgctgag actccgtgca 480
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<210> 11454
<211> 554
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C12

<400> 11454

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ctcagttacg aacgtatggc aagcttgatt tctactagca gataaaactg cggcagcatg 180
aaccgtaacc gctgattact accgtagaag tgcattcacc aaactgggaa cagaggacca 240
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tagtgctccc tgatctggcc atcgctcgaca aagctcgtta tgacgggtgta ggtgcactca 420
 tggccacccc acacggcgtc atgaggggtct gcactgtggt agccatcggg gtggaagtag 480
 cgtcgcatag gtggaccagt gtgcttccat gatggatcaa ggttcctcca gtaatcaggt 540
 gctgctatgg tgaa 554

<210> 11455

<211> 612

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C2

<400> 11455

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 ccaagaactt gtgccagagg aaatttaccg tatgagcacg agggagtatg tagctagcta 540
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<210> 11456

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-C3

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 aatgatcttc cgtcgtctatc agcccacgcg cegttttctt ctgccgtcca gagccgttct 360
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<210> 11457

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C4

<400> 11457

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 acgagccaaa aacaaaaaaa aaaaaaagg ggaaaccaa aaagggaaaa aaagaaaaac 180
 aaaaggaggg aacaaaaaaa aataaatgga gaaggaaaaa caaacaaaac agaaaaaaa 240
 aaaaaaggc aaaaaccga agaaaaaaa aggccaaaaa aagcgaaaag ggggtttgcc 300
 ttttgaccac caagacggga aaaaaaaaaa ccaccacaaa cgccaaaaac aaaaaaacc 360
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<210> 11458

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C5

<400> 11458

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 gaaatacggc ccaattgaat tttctacatg agctgcacat aacgctccgt aaaagttatt 180
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 ggcgccacca agtaatatag ttctttttgg cccttttttt cgtctacatt cgaagaaatc 540
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 agtctataac gaattatatt ttgg 624

<210> 11459
 <211> 610
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-N7-C6

 <400> 11459

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 acacgatgcc gtgcgcggcg acgggtagg cgaaagtggc cggcggcggt ctgggcgtga 540
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 gcgtgcaggc 610

<210> 11460
<211> 580
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C7

<400> 11460

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ctgaacgtgt cccggccggg ataaacctcg tccaaaagag aggggtgagaa tgggtgacta 180
gcagtaccac tggcaccggg acgtacgatt attttgtgca aaccacgtac gaagtcttca 240
tgcttgagcg catatttatt cagacacgtt ccttctttac aagtgtgttg ctgacagcat 300
tacacaccgc tacaactgaa ccctgccttg ccttcctgcg tgcgcgtact gacactgcta 360
cctgggtactg actggtacac acggacactc gctttgttcc cttggacttg gacacgatca 420
cacgacagca aaacagcttc cgtatctagc tattgacgat gacgcctccg ttgacgtgga 480
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cgatctcgcc cggctgcgcg gcgcgcttca tggggcacct 580

<210> 11461
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C8

<400> 11461

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gccccaaaagg ggggggcaaa aaaaaaaaaa agggaggagg ggaggatcgg ggaaaaataa 120
aaggggggtg ggaaaccaa gggacaaaaa gggggggaaa aaaaaaaaaa aacctgttgc 180
cggggaaaag gaaggcccaa accgatctaa aaaaaaaaaa aaagggttaag gggagccaag 240
gaaaacgggt ccaggaagg ggaaaattgc tcaaaaaaa acgggggggg gggagcccta 300
aaactgcccc aaccggttta aaaaggttcc aaaggggggg gcaataaaaa aaggttggtta 360
aaaacgttaa aaggggtcga aattttggcc ttcagcttaa caaagggtc caaaaggga 420

gggacttggg ggacccgaca tggatgaagt ttga

454

<210> 11462

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C9

<400> 11462

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aactagtaaa agataacaga tcagcacata ataatgctgg ctgctgcca gccaattat 180
acccaatcac taagcctgca tggcatgggt tgcagttgca gcggcgattg ccaaagccct 240
tcattcatcct tctctccgtt catcttctat ggagcagcag ccagtcactg atcaaacaca 300
cacatccagc agcagcaatg cttgcaggta acagcagagc cagaggaagg tagtcctcat 360
gtccacagtg aacactccca accttaagcc gatgccttgt cgaacttgag gggcttcacc 420
acctcccagg tgaagtcggc gtcgtcacgg ccgaaatggc cgtaagcggc ggtcttgatg 480
aacctgttgc cgcccttctt caggtcgagg ttgatgctga tcattccggg cctgaagtcg 540
aagttctcct tcacgatctt gaggatctcc ttgt 574

<210> 11463

<211> 534

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-D1

<400> 11463

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agacggtaca gtatgcagca ggggtccaaga tcaccttact cgtcatggac ctctctctcg 180
tctctgtatt ctctctcatc tgcagtggca tcttgggtact gctgggtactc aaacacaaaa 240
tcgttcatgt tgctctcagc ttcagtgaac tccatctcat ccatgccctc accagtgtac 300

caatgcaaga aagcttttct cctgaacata gcagtgaact gctcgctcac acggcggaac 360
atctcctgga tggaggtgga attgccaatg aaggtggagg ccatggaaag gccgcgtggc 420
gggatatcac aaacactgga cttcacattg ttggggatcc actccacgaa gtaggacgag 480
ttcttgttct ggacattgat catttgcctg tccacctnct tgggtgctcat cttt 534

<210> 11464
<211> 597
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-098-Q1-N7-D10
<400> 11464

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ctaagtattt cttgaaagtt tatggagtcc ccagtcaggt aacctggcca tcaatttctt 120
gataagttat tgtccagcat ttctatgcca gttctcgcca acagtctaca ttctaccgga 180
aaaaaatgct cttatttgtg tctgtcatct tgttgaagct gcctgacgga tgagcctgag 240
ggactcggcg aagtcgtcca aaagctgatg agagtctgga aactgagcat catccactgc 300
gaggacaagc ttgatggagt tcgtatagct ttggtaatgt atagtcagag catgtggatg 360
cccgtagaca gagggagcga tgtagacgat tggatggccg tagaactcca ccttctcagc 420
aggtccgacc atgcttgaga atgacatggt cgtatttgtg aacataccat agcagagagc 480
tgctgcagcc ttcatgcca atagtttgac tattaggttc cactccagt acgtgaaaac 540
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<210> 11465
<211> 479
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-098-Q1-N7-D2
<400> 11465

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tgatagccat accaggccca gggggggggc tacgcaaccg aaaacagcgg tcgccaggac 120
aaaacccgaa aaaaggatcg atttgtgcaa ccaaggggag gaaaactgcc aatacggcaa 180

accctgccaa agtgaaactc ataagccgga cagcggaagg ataaggcaca cgtggcgtaa 240
aatggagcgc actgcaaata tagctttcag acaacagaaa agccagatcc ttctttccac 300
ctacaccag gcatgcaaata tccaagcac aaaaaccttg atatattaat tctacagaac 360
caaactgtcg ctgcaaatta agccgctgac tgtctagcag aggcctacca cactcttggt 420
tcttcgcaca aatgactgct gccagaact tgtgaccaca gaaatggacc gtatgagca 479

<210> 11466

<211> 590

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-D3

<400> 11466

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taciaagcag gcgtacaccg cctatacggc tatacgcgta ctcggtcgt aagcctgcag 120
agcatctgca gcaaacaag cctacgtact acggtgcatg cagatgtagt gtagcagcat 180
gcatccctc tacacgtacg tacttattgt tggagaacaa agacacacgg caggaatgat 240
acgcaagcac cataccgcac acatttagag gccacatcca tctgcatgca tgttcttctc 300
atgaagattt cagtttgtgg cagcactgcc ggcgccaaag caacagaatg gagtcatggg 360
ggtgcagggg cagttctcca gcgccgtctt ctgcaaaccg gagcagcacc atgggtgtaaa 420
tggtctgcag gggcagtcct ctacgcgctt cttctgcaaa ccggagcaac accacggagt 480
cctggcggtg caggggcagt tctccgtcgc cgtcctctgc aaaccgaagc acaccacgga 540
gtatggcggt gcaggngcag ttgctcgtcc tcccgaggc tgagcgctca 590

<210> 11467

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-D4

<400> 11467

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atcagtaatc agaacattca ttttcctttt cgtgctagca ttttactcaa tctacccaaa 120
 aaggaaggaa aaagaatgaa aaatcataca ttctccgaca aaaaccaagc ccccatctct 180
 gattctcatt agggaggaag aggcagagac tgggatggag gggggctaaa attagaatgc 240
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 ggaaggcacc agtggatgca atccgcaac ttctcggggg ctgccttctg cttaggcgctc 360
 agcagcttcc cttgcgggat ggtgtacggg nacgtngtgg gcgtccttcc ggtaaatctga 420
 catccttgtg atattgatca ctgtcactgg gaccttctcc atggagctgg ccacattgac 480
 cactaagtca tacagccgca tgtcatggta aagatccagg tgttggcctg tagttctgat 540
 atggaagcgt ctctcttaca catttgatac cgtncggggg ttccccaatt ctgt 594

<210> 11468
 <211> 552
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-098-Q1-N7-D5

 <400> 11468

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 aaaatctgac cacactccag catgtcatta catgcaagta tccaatagca tgtcattaca 120
 gcaagtatcc aaccactgac acgtaagcca ctccaacaca ccacacatgc cgctaaagct 180
 actctagcag cacaatagac aaaaaatgga ttgaaacgta tttatccatc aatagaatgc 240
 aatagcatca gcaaaagaga agtaccaaca aagcctaaca cccatacta gttagcttta 300
 acttggttga atctgactta gcataagctc aagttgagca tccatggcat cttgcttctt 360
 cttcatctct tcttgccttc taatccttac cagttctgct tcatgcactt gctttaataa 420
 tacatccatg cgctcacgtt ggatgctgac aagtgattga agctctgcat ttgccttcct 480
 ctctattcaa gttgtgcttc aatattttgt acactagatc taggtcgtgc attttggatt 540
 cccacatttt ga 552

<210> 11469
 <211> 537
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-D6

<400> 11469

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gatacacaga catgccgccg caaagcaaaa cacgtcgcaa atcccctctc tttctaactc 180
cgtccctctc tctctctccc tctgggtcccg caaaaactag gcgttgaggag cacgttagcg 240
ccagggttttc ctcccatgct tacgcagcca cagccgtcca caccttggat gctcacagct 300
cgtccttgac gggctcggcg gcggtgcct tctcggatgc cgggtggccc tgggtggtgg 360
tgggtggtgg gcagcccctg cgggtctcctt gctcttcttg atgaagtcga cgatgtcttt 420
cgccgtcctg ccgctgtcgt aggatgtcac cttcccgtc ggggtcacga agtacaaggt 480
cgggtagcct tggacgtcaa actcactggg aacgtcattg gcagtcgcgt ccatctt 537

<210> 11470

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-D7

<400> 11470

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catacgatca ttatacacia aacaacgctg ggacagtcac tgtgcggcgg cgatgaggcg 120
ggacgagctg agctccgtgg tgctgtagaa ggactcgtcg gggcagtacc cggcgacgcc 180
acgctcgtcc tcccaccgga ggacctcccg gacgtagcgg aaggcctcgt caacggtggg 240
ccggtcgcgg gcgcgcgtct gccacacgaa cagcttccgc cccgtgctcg ccgcgtacag 300
gtccttgaac ttgatggcca cgtagtaaaa cgcctgctgc gccagcgact ggctgttgtg 360
gtgcgtccgc agcgggcaga agtcgccgaa cactcgcac gacgacagca gggaccgccc 420
gatcttctcc tcgaacgcgt cgtacttggt cagcaaaagc aggaacggcg tgtcacggaa 480
gcacggctgc ctgattgtag cctcaaacag gtccctgctt ttggatcacc ttattcacga 540
gtgtcctgct actgccgctc gctggggctc 570

<210> 11471

<211> 583
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-D8

<400> 11471

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 ggaagatgaa aagccggggc accaaagatt accccagaag ggcaaaaaag ataaaaaaca 120
 aagctccccd ccgctggcca ctagacggca taactgtcaa cccggaccgg catcgagccg 180
 attgtcacca caccagcttt gctcgtcttc cggtcagcct ccactacctt ggaactgatt 240
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 agctgcttct ccataccagc tgtgctagtc ttacggtcag cctccactgc cttggagctt 360
 atcttgagag acccaagttt ggcaagtacc ctctgctgct cgccaccctc tggaactgga 420
 actgtgctcg cagagccgct gactccattt agccgctttt caggtgcttt cagtgaagccc 480
 tgggcagcac cgctgtctgc atgctgcttt ggattttcga ccttcttcca gtactggctg 540
 tttcccatcc gcacctgccg ctttcaagct tggacctggt gga 583

<210> 11472
 <211> 552
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-D9

<400> 11472

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 gcacaaggcc tgaaggcccc gccgtccacc gatgccgcct agctagccta acaggtgagg 180
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 gcgcgaacc cctgcggcac caccctgtgc acgtgttca tccaaaacca gagcgccgcc 360
 ttgaacgcca ccacggggtc ccgcgccacc ctgcgggggt ccccgagccc gtcgaagccg 420
 atggccctcc ccgcggggcc gtagttgtag ttccacgaga tctgcagcgg gccgcgcccc 480

tagtactttt gccccgcggc gcacggccac tgcctcttgg tcgggtcgca gtaggcgttg 540
ctcttggtga tc 552

<210> 11473
<211> 615
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-N7-E1

<400> 11473

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atttacaagg catccagaac tactacaaag aagcatttaa gcagcgggtcc aacaaactgc 120
ccaagcattc aagagtcatt acaaccgcga gcaaaccttc catattatca gctaatagta 180
tcatcaaatt catcagtgct tcaggagcca cctcagtaac aatacatgag acatcaagtc 240
tacagattgt gcaatgctta actctgaacc aactcagatg aacagggggcc tcctctaact 300
ctcaaagcac ttctcttttg ctccaccaga tatgatctgt ctttttcctg gggcattgtg 360
ctggaatgta ggaagccaac tgtagatga gctagttatg tttacaatac cctgattgtg 420
gtgaacagca tcaaattgtc ctttatgtct tgaatcacta taatTTTTTCC actgggaact 480
aggaagagcc acagatgttg tcagctgtgc ttttccagca gccatgtctt gtctctgaac 540
acgaaactcc aacaagagaa gacaatcggc caacttcaaa ctttntgttc ttatatccaa 600
cagtgggtcaa tcgaa 615

<210> 11474
<211> 576
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E10

<400> 11474

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gttacaacag ttacagaaat gattacaact gtaagagcaa aaaccgcagc tagcgtggta 120
aacaggtaca gaattactga gttgccatga cagggtaggg gcaacaaatt gtacaatagt 180
tttatttcac acacattact actagcgtac acaagatgtt tttttcccg catagtggaa 240

taggacgtac tgtatttgag cggcatgcc aatgcaacatc tcatctcgga gatttttgtc 300
aaaccagttt tcattgggtg cagaacactc atgtttccac ctcatcgag taatccactt 360
ctctttcccc aacccatggc tatgatgtac aaaatcacgc agccagcaac ggtcccaaaa 420
gtagtttccc aaaattttct gtttgctgct cgagtttcct cctcagttgt tgggtctgcg 480
taaagtgata tgccaatatt catacaaaa aggccaacta cagccactcc agcagtgatg 540
acaacagtag cagttgagag cataactccc atctgc 576

<210> 11475
<211> 494
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E11

<400> 11475

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ttggagttta aaataaagg ggggttggtg gcggtcgatc ctaaaacagg gcttgacca 180
attttattgg gctttataaa aaaacagaga acgaacgcgt gttaaaatgc tccaagacaa 240
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ttgtgtggga ggattttttc gggaaggatg aactggggcg ggattttggg gaccaccca 360
agcattgagt cgtactctc gtttttgggc gcgtactttt ttcttaacat tttttgagc 420
tcaattttgt caaagctttt ggcggtctcg gctgcatgga cctgggctag gttgatataa 480
ttggttgctg attg 494

<210> 11476
<211> 593
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E12

<400> 11476

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aagaaatggg aaaacgatca cacatgcatg ccatggtaga gctacgtaac aaactagagt 120

agtagctagt actagctagt gaagaagtgg aaatctaact agaaaggtgg agaggggtata 180
 cggcggggcgg gcagccggtg caggctgcag ctgggtgcac tagcgctagc tagaacgacg 240
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 gcggcgtctg cgggacggcg tacatggacg gcggcacgac gggacccccg ctgctctgct 360
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 cggcgtctgc ctggtccagc ggcagcctct cgtaggtggc gttgccgaac gttgcggcga 480
 tcaccatgac ggggcccgcg cgaatggagc tccccatgac gctcccgccc accacctgcc 540
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<210> 11477
 <211> 622
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-098-Q1-N7-E2
 <400> 11477

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 aacattttca atgcaagttt ttttttcttc agcccaacat gtcttagcct cgtctaaagg 180
 atctgccact cttctgcttc accagagcca tcaaggctgt cgtcattggc catgctactg 240
 ccagaacaac ccagtccatc atcctgttta tacatttggt tcgatggctc gattgactgc 300
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 tgttccagag ctaaggctcg gacaacgctg cagtggatg aaggaagtgt ctgcctccaa 480
 gttatccagt gcaatgtcaa ccgtcatctg aacttcatgg ggatctaggt agagagccct 540
 atcatcctgt accccagcaa atgtatgttg atgtaccagg ttttccacct aaaagcccaa 600
 gctttgtggg aacataaatg tc 622

<210> 11478
 <211> 604
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-N7-E3

<400> 11478

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attcgagatc cctgaaatta gtactgaaga tacctagaaa atttttgcaa tcaataatgt 120
acatcctgac ctagaaactt acagaacatt ttcttataag ttacaagaca gcactagcat 180
tttgctgccc cagtccctta tgccagatgt tacatagaag ttgggacttt tggatgtaac 240
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tcctttatctt gggcatgatg tatcaggaaa aaaagaatgt ctttctttca gtacaactct 360
gacagctgaa cgttgatcag atttctgcct tgaccccaca tgtgcatatt ttgntgttgt 420
gcctgcaatc ttgccacttc cagctcaaat gtacatcgga tgggcaccag taagcacatt 480
ggtacaaaac ttcgctgtga agtaaaaaag tgccatctgt cagtcatttt cctctgaaga 540
aatagacata tcttctccag aagactggcc agttctcccc gagagtngag ggttttagctg 600
catg 604

<210> 11479

<211> 484

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E4

<400> 11479

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ggaacatgac tgaacactga aaaaagaaaa acgggaggac aggggggatg ggggataagg 180
ttccagggtc gagttagggg aaggagcatg ggccgacgat cccggtggtc ccggaaccag 240
agaaaaaaga tcctcccga caggtaaaaa aaaggagaaa gcagggagggg aaaaggggtc 300
tggaacccaa gctggaagaa aaaacaccaa tacctcaggt tgctttgaag tgggaagccc 360
tgggcgcaat tcatctctaa aaccacagg cgagtggaga ggggacaacc ctagatacgg 420
gaccttagga gttaccagct tccaagagac aatgggaaaa cagaaaacat gtggttagtg 480

<210> 11480
 <211> 612
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-N7-E5

 <400> 11480

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cccaggggat ttcggtcttt gattgagggt tctactactag cagtatacac gacacaaata 180
aaataataac ggtactcggt ccatgcggta aatgggtctcc cagtttttctg tcaacatcct 240
ccccaccttt cctagccatc agaatcctac ctctcaggc cctcaacgat gtatgtagca 300
tacagggtcca tagagtgtg tatggcttca taagcggcgc tcgctggtag aaagtcattc 360
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aagcggagag gtgggagctc cttgatatca ttgtaatgcc tgtactcggg atcatcagcg 480
cacactgcaa tgatcttgct atctgcctct ccctgatcaa tcatcggcac aaggccgatg 540
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aaaggatcac tg 612
  
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<210> 11481
 <211> 618
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-N7-E6

 <400> 11481

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agacccttgg cctcaccctg cgaccactgg tgcgcccgc gtcagagagc tgcgcccata 180
cgctctggct tttcacgccg ctgctacatt gttcctcaca tccggcaact gtcgcagta 240
  
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tctctgactg cagggatggg cagttgtctt tgagatagtc gaacccctcg gtccggatca 300
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aagattcaca caacaatctt agccttggca actcatatct gtctgcagca gccattaact 480
tcccagctaa actatcaaat atagagcagt cagagcttga tgccatcaac tcatcatcat 540
taacaagatt gtcctgtac ataaagtga gcaccgncct gaacactaca ggatccatat 600
catcaataac gatctcct 618

<210> 11482

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E7

<400> 11482

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tcatttgtct acagtatgcg ctcaggaggg tttcaaagt aagaaccaca tgtcgctgga 120
gcaaatacgt ttacagagtg ataaaaccaa gacatgtgcg tggagcaaata cagtttacag 180
agtgataaaa ccaagacaag cttcaggctg gctgctcata agtgatgctg ctattcttgt 240
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ctgatgggct tagaactttg aactcacggt cagctcgaat aattccgatt tcaatgttgt 360
tggaggaaat ttgcccctca tacccttctt tcaaagtcaa aattgcagtg tggatggcat 420
catcaagctc catatcctct gtgtatctct tttcaagaaa tgtctttgca tttgacacat 480
tttttcccat ggctgatgcc ttccaggaga atatgatcct gagggatcaa cctgatacaa 540
ctgtgggcca ttgtcatcat acccagcaat 570

<210> 11483

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E8

<400> 11483

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aaccacgata cagaaggggc aaaatttatg tgtaaataag gcctgggtca aaaaccggcg 120
ataacttggg ggatggatgt tcagccccc a tgtagcaatt agaaacaaac agcaaccatt 180
tggaacattt tcctacatgc cgacaacaaa aaacttttagg ctgcaaaact taaaagccat 240
tcaagacgat tgttccttct gtttcacttg cttcgccctaa aacagatgca gcagcttccc 300
gctgtttgtt cacaaaagca atacccttct aaatgcttgc cttcaactcg gccttcagcg 360
cctaaagtgc cttggcctca tactcagtca ttccctggag gtcggcagaa atgacggact 420
caacaccatt cttgcccac ttgactcttg atgcgaaaaa tggcagggtc agttatctca 480
gactgaacaa atgtgcactc ataaacattc cggatcgcca gccagcgcac ggagaaaaga 540
ctcaacgaat ctggcagcgg cataggccat 570

<210> 11484

<211> 540

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E9

<400> 11484

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atgcacagct tctgtgcaaa attcctattg ctgtaaaatt ggatcagcat ttccaaaaaa 120
aaaaaatcca acaacatttt tatggttccc tatcttcttt tgctcctcaa ttactcctc 180
ccttcgaact ttttaaacc ctttttgc at tttcctctct gcttgggctt tttctgcgcc 240
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tgacgctgct tgcccgctct cttccgcttt ggcttctccg gcttctctgg aaggctctct 480
cctctccggc tttggatttt gagcctctc ttctgcttct cttttcagcg ccttcttgcg 540

<210> 11485

<211> 470

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-F1

<400> 11485

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acaaagacgc gaaccggcga acgcgcggca acttggtcgg ctcaggagca ggagccaccc 120
cgagcggcac ccatgccatg ctcacgtact cacggagacc tatcggactc acgagccgga 180
gggatcccag gaacgacggg cgggagcggc accacggggc cgagcacggg cggcagcggc 240
gggatcagcg gcaagcccggt ggccttctcg tcgccccgc tactaccacc accgttggcg 300
gctgcaccgc ccgacgccgc cgcgccgctc gctttcagct cctgcgcgtc gcaatgggct 360
agcagcagca gcgcttccac cagcaggaga gcaacagcgg cctgcagaac cttggcatt 420
cttgcagttc gagtacacag tgatagctac tgatcgatgc tcaccgcgag 470

<210> 11486

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-F2

<400> 11486

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cttccatagc aaccgcattg ttctgaaga acttaacgac gtgttggtggc tatgccaaact 180
tccacatctt gaggccaagg caactactcc ttgaaaagaa ccaccttgaa gagcaattaa 240
acagtgtctt caagtaaccg ctacagacca attgcggatt cctcttaaga gcaacagacc 300
cacaggaacc attttgcaat aaccaacaca ggtattgaca aaattgacgc agacatctga 360
ctaccctaca aaagtaatcc atgcaaacat gtnttgagtg acacaaaatt tgatgttgag 420
tattaccatt ttgatgctcc aaccatcttt actcttgttt tttgatattc atagtactag 480
tgacaagttt aacctctctt tctttcaggg gaagcataac aggtccccta aagagccatt 540
tttagcgagt actcagttct aataagaact cgatgcttcc acta 584

<210> 11487

<211> 550

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-F4

<400> 11487

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ctttacatcg atcgctctca tccttttgtt gtttttgggg ggcaagaacc aatagcctgg 120
gataaatatt gtctgaacag attggatgag gcgttcaact agttctcctt gcagctcgaa 180
aattctcttc ccttcttgat agttgctccc aaacgcagtt tttgagataa catttccagt 240
aagattctgg aactcaggcc agacatttat tttaaaagat ccctcaaaag gcattgaatt 300
atcccatcta gtaatcattt caatacagca ggtagaaaat actggcatca tcccctttat 360
tttttcatgg ggaaatgcag gattaaaaat tctcctgtgc tttgcccatt tttcaccatc 420
atgatttaca agcccgttgg ctagcaacct cccaatgcgg ttactccttg gtttgccaaa 480
gtggccaaac ttattagaca gcacctctt gactaactct gggtcaggaa tcacaccctt 540
gggtgttgggc 550

<210> 11488
<211> 474
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-F8

<400> 11488

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taaggggggg ccaacatacg gggggaaaaa ggggggaaaa ttcggtgggg ggggggtag 120
tttggttccc aaaggggggc cccctcacia ggggaaagt ttttgggggt ttttctacc 180
ccggggcctt ttggaataac ggggtggggg atgccaggg ttgatctggc ctgggggga 240
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aaaaggggtt ccccgttttt tccagctttt tggggtccca gggcaccaag ggggttataa 360
aaaaaaagat ttgggggggt ataaaaattg ccaggggtt ttgcacctt tgggaaatcc 420
ccaaactggt tttttggcca tccatgttta ccaggggata gacacaaaaa gggg 474

<210> 11489
<211> 527
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-F9

<400> 11489

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gccagccact gcagcagaca cagcagactg acacaaaccg cttagtccac ctccctcgatc 180
ttagggggcca gggccaccgt ttccagccgg agcgtcctcg tccatgccgc cggagcctcc 240
catgtcggca cccgcgccct ggtacatttt ggcatgatg gggttgcaaa ggctttccag 300
ctccttcatt ttgtcatcga actcgtccgc ctccggcagc tggttggcgt ccagccagct 360
gatggccgcg tcgatggcgt cctcgatctt ctttttgtcg tcggcagcca gcttggacgc 420
gatcttctcg tccttgatcg tgttgccat gttgtaggcg tagttctcca gcgagttctt 480
ggactccacc ttcttcttgt gctcctcgtc ctccgacttg tactttt 527

<210> 11490
<211> 567
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G10

<400> 11490

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tcatatagca tgtatctgtg aaaataaata gctttgtgac actgacacgc accagtgcc 120
aagccaaaca acacagaaca tcccaagatg ccaacttggt ctagcaacta ctacattaca 180
ttttcatctt tctaaaatgg ccacttgggt caggccagca aaggctgac agccaaacct 240
gccccagcgc cggtaatcct tactgaagtc cgtcattagc tgtgttcttt actttcgtac 300
aacctattta tccatgcgaa aaaaaacccg gaatgatagg ggcccaaac agaacacttc 360
cacacatggc tgttgagtat cgcagttttg aagatgggga tgctggatca tcgatcactg 420
gctcgccctc ttggacaagc tcagatcagg gttggcgatc tgagggtccca gcccaagcca 480
tggttgacca tccgacatct cttcttcac aggtgtaaca tctgaagggg aaccgggta 540

tggtgctttc gcagtaaggc gatcctt

567

<210> 11491

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G11

<400> 11491

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catataaaat aatattttac actatagaca aactgttta aaatagagaa tgacatagaa 120
gagtcactgc agatagcctg agcctgagca cactatctta caataaagca gcaagatgag 180
gactgctgaa gaattgtaat ttatcacaat tgagttacag tttggtaagc acaaccaatc 240
atttgtcgca ctatgtttcg atttttcaca agtgatgact ttctttcaag tacaacaat 300
cgaacttcaa ccctagctaa ttgtaactca taaacatgac aaatatttat acaatataaa 360
ggcaccactc tggtaggaaa gcgccatgtt tatgcaagct cgtagtatat gcctctgcaa 420
tgatagtgtg gccaaactca ctggtttctg aagcacggat gttgcaggca agaaaaaact 480
tggataaaag atccaagcaa ttactgatgc cgagctgttt gccatggaat ggtggtagga 540
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<210> 11492

<211> 288

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G12

<400> 11492

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acaaattccc tcggcattaa gttataaaca aagcactgtt acatgaggat aagcaaattt 120
catagccaag agagtaagcg cagccaatgc agaccaatgt tcaatttctt tgtgagcatg 180
gaagcatgaa catggctaca tcagttcttc tcgtcttctg ttttgtctga cttgtcttcc 240
ttcttctctt gctctccctg gctgtgcaat gatgccagca aatcttta 288

<210> 11493
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-G2
 <400> 11493

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aaaaaaagtt ttggtttaag accatagacc gacaaaacat cccgttttta aaccgtgggg 180
aaaaaccctt ttttttaaac ggtaaaaaca tgcccccgac cccatgcaaa accagccggg 240
ggggataatg cacccaattt gggaggttgg aacaagatgc atttttggga gccccagttt 300
ttggggcccat aaagcacttg agcttttgcc agaataggga catgccaatc gtttccgggt 360
taatttttta aaaacacggc ccgttgaagg gggacccaaa aaaaaataaa aagctttagg 420
ggaatttttt ttaaaactgg taatggttga aaaatgattt ggggggtgat tccttgaatt 480
gaaaaattgg gaagccctga ggcttttcca ctgttcatgg aatggaaaaa aaaatcccaa 540
gttcagcatt gaaatttcca aaattttgca gaaactgctg ttgttgagc 589
  
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<210> 11494
 <211> 555
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-N7-G3

<400> 11494

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aagaaggccg agcccaccgg cacttaacac catcaacaac agcacaaagt tagaaccgtt 180
tcaatagccg actcgaattc gcgagatccg tagtgatttt tcgatccagg caattgtcaa 240
acgcttgggg aatatcgcgc tgctagcttc gtcttcaccc gattcttggg atccttgatg 300
acgcgcggaa cgacgacgag atcgagtctg gagcgagcta gcgagatgga atccgagcag 360
  
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ggtcgacgac tggcgaccac tacagactgg gagttggggc gaactgctg cagatgagcg 420
gtgcagatga gcgggtcggc ctcagcggcc gagcagaccc gacccagtag cgagaacaaa 480
cagagggggc gagctggagt atggacagag tgcagctggg cgactgggnt gagaatccgg 540
ctaggggaag ctttg 555

<210> 11495

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-G4

<400> 11495

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ccatttaacc ggctcgagcc ataataagca ttacacaaat tcatatctag aacaagctgt 180
cggaggatac cacacttagg ccaccagagt gctcgtgtg gttgactcat acttccaggt 240
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ggccttgagg atgcggagga tcttgctgcc ggtgacgctc ttgacaaggg ggataccgtg 480
ctggtcacgg agcaggacgc cgatctgca cggcatctgt cccttcttcg ctgccttttg 540
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<210> 11496

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G5

<400> 11496

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ttgtgcatgt aaaaacgcag gaacagaggg ggggaaatcg tggtccagac aggcctcag 120
tgggtactat atatagctcg ctgtcgaac agcgggcggc tttttagtc ttcataatag 180

tcttggttga cgaggaagct tccaggtatc tattttccag agattattct gtgtcacatt 240
gtccatcttc tcttgcatg gtctttgttt ttcttggaat atatcaaact agatgaatac 300
ccgtgtgttg ctgagtgtg acgcactttc accccccttg agttggagga gacgtctata 360
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tgggtgatag caagaagatt ctcaaccaat gcaaccaagc tctaaaattt ctggaccgtg 480
actcaagtca ctgggtcatt caaacatga caaatcagc tggaaccaga gccgggttct 540
cctgatgcag agcatagatc ttgtcgggtc ttccctcctt gcg 583.

<210> 11497

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G8

<400> 11497

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cccctatatg aaatggctga gcaggagcat tagcaggcac tgtgaaatgt acagctgctc 240
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tgtccagtag cgagccgtag cggcaaagt tggatagtca cgcagggtact gttgtgcaac 480
aacagcatcc tgaggatcat caggtgcagg agaagaaaca gagcttgaag ggaaaggacg 540
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<210> 11498

<211> 598

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-H1

<400> 11498

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tcagtttccc accctcggca aaaacaggta gaccagaccg ccattccgag cacccccagc 180
ttccctcgag ccctgagact tcggtggcat gtaaccaaag gccaaactat gttatataca 240
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gatcacatct gctgacagga aggccttgta gttgaggaac ttgtcgatga actcgtggtt 540
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<210> 11499
<211> 597
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-098-Q1-N7-H10
<400> 11499

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ttaagctagg atacccttct ggaagcatac atgatcacac acacgtacct gtgtacgtac 180
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<210> 11500
<211> 545

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-H2
 <400> 11500

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 ctcagttacg aacgtatggc aagcttgatt tctactagca gataagactg cggcagcatg 180
 aaccgtagcc gctgattact accgtagact tgcattcacc aaactgggaa cagaggacca 240
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 tggccacccc acacggcgtc atgaggggtct gcactgtggt agccatcggg gtggaagtag 480
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<210> 11501
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-H3
 <400> 11501

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 gggaaaaatt ttttaggcca acccgggaaa tccccccccc ctttttccct cgggggggaaa 360
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<210> 11502
 <211> 474

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-N7-H4
 <400> 11502

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<210> 11503
 <211> 443
 <212> DNA
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 <223> Clone ID: LIB3061-098-Q1-N7-H5
 <400> 11503

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 tcccaccgga aggacaagtc attttattac ccaagggaat gggagggtaa aggtggacta 180
 aaactcggat cctaaagatg gatcgggaaa tgcacaagga acaaaaaaac aaacctcccc 240
 gataacagtt tcatgggcaa caccacaatc gtttgcattt agccagggaac cccgaacatt 300
 tcatcccatg ggggtactttt ggggtccaact gcgggctggc gcctcggact taggccgatc 360
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<210> 11504
 <211> 587
 <212> DNA

<213> Zea mays
<223> Clone ID: LIB3061-098-Q1-N7-H6
<400> 11504

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atagtaggca gcccacagga acataataaa ccgtgacatc caaacacaaa acggactgac 180
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<210> 11505
<211> 579
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-098-Q1-N7-H7
<400> 11505

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579

<210> 11506

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-H9

<400> 11506

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<210> 11507

<211> 606

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-A10

<400> 11507

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<210> 11508
<211> 526
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-A12

<400> 11508

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<210> 11509
<211> 482
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-A2

<400> 11509

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ccaacaaccc atcattgggtg gtgccctctt ttagatttct tatgagttat agttcaataa 420
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<210> 11510
<211> 560
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-N6-A3
<400> 11510

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<210> 11511
<211> 605
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 11511

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<210> 11512
<211> 601
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-N6-A6
<400> 11512

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gccagctagc tactgcctac tctcagcaca acaacttnt ncatttaacc aattggccgc 540
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a 601

<210> 11513
 <211> 602
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-A8

<400> 11513

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 aatgctcaca agctcctata gcttcccttc ttccccata ccttccatca atgatagctt 180
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<210> 11514
 <211> 611
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-A9

<400> 11514

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 cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 540
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<210> 11515
 <211> 579
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-B1

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 tgaccaaata cctgagccta ggtgggttat ttcaatgggc agctgtgcca acggtgggtg 480
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<210> 11516
 <211> 475
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-B10
 <400> 11516

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<210> 11517
 <211> 518
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-N6-B11

 <400> 11517

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<210> 11518
 <211> 585
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-N6-B12

 <400> 11518

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<210> 11519

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-B2

<400> 11519

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<210> 11520

<211> 609

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-B3

<400> 11520

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<210> 11521
 <211> 599
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-B4

<400> 11521

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<210> 11522

<211> 506

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-B5

<400> 11522

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<210> 11523

<211> 561

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-B6

<400> 11523

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<210> 11524
 <211> 581
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-B7

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 gttgagatgg attcggaggc ggtgcagcac ggctgcgcgc attacagccg tgggtgcagc 480
 gtctgggcgc cctgctgcgc ccaggccttc ggctgccgcg attgccacaa cgacgccaag 540
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<210> 11525
 <211> 288
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-B8

<400> 11525

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agtctaccgg cacgacgggt tagaccgggg tcggtcagcc ccagctttgc cgatacgaga 120
gtgtcacgct ccctattctc atatcggtc catctccgcc tactcggaaa gagttgtaga 180
gaggagtaag ggaaggcgag gtacctcagc gccccgcaaa tagggcgaag accgtgcacg 240
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<210> 11526
<211> 567
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-N6-B9
<400> 11526

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ct acc a ag at att at cc ct c ct tgc g ct t t t tgc g ag cg ca a ca a at gc gt 120
cc att at t cc a ca at gc t ca ct tgc t ct ta gt tcc att at tcc ac ag t t c tccc acc ag 180
tt act t ca at ggc ct t cg aa c acc c ag ct g tgc a ag ct ta tag g ct a ca a ca ag cg att g 240
cg gc g ag cg ct ctt a ca a ca c ca att g ccc a att g ca a ca a ca at c ct t g gc ac at ct aa 300
ca at a ca a ac cat cg ca ac g ca ac ag ca ac a ac ag t t c t acc ag ca ct g ag cc ac ct ag 360
cc at gg t ga a cc ct g t cg cc t act t g ca ac ag ca g ct g ct tgc at c ca ac cc act t g ct c 420
tag ca a ac gt ag tt g ca a ac c ag ca a ca ac a ca a ct g ca ac ag t t t ct g cc ag cg ct ta 480
gt ca a ct ag c cat gg t ga ac c ct g cc g ct ac ct a ca a ca g ca a ca ct g c t t t cat ct a 540
gccc g ct cg tgt gg c ca at gc ac ct a 567

<210> 11527
<211> 609
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-N6-C1
<400> 11527

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cttcttgccc ttttagtgag cgcaacaaat gcgttcatta ttcacagtg ctcacttgct 120

cctagtgccca ttattccaca gttcctccca ccagttactt caatgggctt cgaacatcca 180
 gccgtgcaag cctacaggct acaactagecg cttgcggcga gcgccttaca acaaccaatt 240
 gcccaattgc aacaacaatc cttggcacat ctaaccctac aaaccattgc aacgcaacaa 300
 caacaacaac aacagtttct gccatcactg agccacctag ccgtggtgaa cctgtgcacc 360
 tacttgcaac agcagctgct tgcattccaa ccacttgctc tggcgaacgt agctgcatac 420
 cagcaacaac aacagctgca acagtttatg ccagtgtctc gtcaactagc catggtgaac 480
 cctgccgtct acctacaact actttcatct agcccgctcg cgggtgggcaa tgcacctacg 540
 tacctacaac aacagttgct gcaacaaatt gtaccagctc tgactcagct agctgtggca 600
 aaccctgct 609

<210> 11528
 <211> 597
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-C10

 <400> 11528

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 tgtcacgccc ttcgggctta aaaattcttg aaggtcatta ctttctagct gatgctggtt 180
 atgcagcaag acctggtata ctacccccgt accgtgggtgt tcggtaccat ctttaaggagt 240
 ttcagggtac tagacgacca gaaaatccaa aggaattggt caacctacgt cactcatctc 300
 ttagaacaac aattgaacgg gcatttggca cacttaaaaa tagatttaag atactaacia 360
 ggtaacactt ttgacacaac aaggctctatg gtaatcatat cagaatcaga gaaggaaaaa 420
 ctaaaggata gagcaaggag gctcctttca aagcccatca aattcttcaa tgaaatgtaa 480
 gagctattcc ttgacagtag tgctgatgga tctcttgcca tggatgctac tacttgctta 540
 aatgaaagtc aacctgtcga ttataatgat aatgatgatg acatatgcaa tgatgtc 597

<210> 11529
 <211> 545
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 11529

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caccagctg tgcaagccta taggctacaa caagcgcttg cggcgagcgt cttagaacia 120
ccaattgccc aattacaaca acaatccttg gcacatctaa ccatacaaac catcgcaacg 180
cagcagcaac aagcactgag ccacctagcc gtgggtgaacc ctatcgcccta cttgcaacia 240
cagctgcttg catccaaccc acttgctttg gcaaacgtag ctgcatacca acaaciaaaa 300
cagttgcaac agtttctacc agcgctcagt caactagcca tgggtgaaccc tatcgccctac 360
ctacaacagc aacaacttct ttcacttagc ccgctcgcta tgggcaatgc acctacatac 420
ctgcaaciaa agttgttgca acaacagtat gctgcaacia attgtaccag ctcttactca 480
actagactga ggacaaaccc tgctgcctac ttgcaaciaa tacttgcatt caaccactg 540
actgg 545

<210> 11530

<211> 478

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-C12

<400> 11530

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atcttacctt tatcaccctt gttcctccaa caatcatcag ccctattaca gcagttacct 120
ttgggtgcatt tattggcaca aaacatcagg gcacaaciaa tacaaciaact cgtgctagca 180
aaccttgctg cctactctca gcaacagcag ttacctttgg tgcatttggt ggcaaaaaac 240
atcagggcac aacaactaca acaactcgtg ctagcaaac ttgctgccta ctctcagcaa 300
caacagggtc tgccatacaa ccaactagct gcattgaact ctgctgctta taagcagcaa 360
caacaactac taccattcat ccagctagct gctgcctacc cacaacaatg agttgcatac 420
aaccaactgg cagaaaaaaa ctactgatgc ttatgagcaa caacagcggc tactacca 478

<210> 11531
<211> 359
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-C2

<400> 11531

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tgggttggtg ctgatttgaa aaacacggcg aaggggatta tttttacttg ttggggcaag 180
ggcggttgat ctgaactgcc cctgtctagc aaattttctt ctgggagccc tgggcacatg 240
attctgtaca cgaatactcc gttagaattt cgagttcacg ggtcttgact cttttaccca 300
tttgctggcg caaactcagg gatctatcac ggctaattgt aactactata gtaagagtg 359

<210> 11532
<211> 599
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-C3

<400> 11532

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caccctgcc cggatccgat ggccaacagc aacctccgc gccggatcat caaggagact 180
cagcggctgc tcagcgagcc agcaccgggg atcagcgcgt cgccctcgga ggagaacatg 240
cgctacttca acgttatgat ccttgggccc gcgcagtcgc cctatgaagg tggagttttt 300
aagcttgaac tctttttacc tgaggaatat ccaatggctg ccccaaagggt taggtttctg 360
acaaagattt atcatcccaa catcgacaag cttggtagga tatgcctcga cattctcaag 420
gacaaatgga gccagcact tcagattcga acagttcttt tgagtataca ggctctactg 480
agtgcgccaa atccagacga cctctctctg gataacattg caaagcactg gaaagccaat 540
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<210> 11533
<211> 583

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-C4

 <400> 11533

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atgtcacaaa gtcctatag cttcccttct tccccatac ctctcaccag cgggtgtcttc  180
aatgtgtgaa accccaattg ttcaacccta caggatcca caggcaatcg caacaggcat  240
cttaccatta tcaaccttgt tctccaaca accgtcagcc ctattacagc agttaccttt  300
gggtccatttg gtggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa  360
ccttgtgtgca tactctcagc aacatcagtt tcttccattc aaccaactgg ctgcattgaa  420
ctctgtgtgt tatttgcaac aacaattacc attcagccag ctagttgtgt cctaccccca  480
gcaatttctt ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca  540
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<210> 11534
 <211> 570
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-C5

 <400> 11534

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tgctctatt tcagaaagct tttattggc tgactgctgg tgcaattggg gcttgtgttg  180
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aacgacgcaa ctataagaat gctttccatg cactctaccg tatcagtggg gatgagggag  300
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gtatgcttgc ttcctatgac cagagtgtcg agctatttag ggacaaattt ggcgaggag  420
aaatttctac tgttgttgga gccagcgtg tttctggatt ctttgctca gcatgcagtt  480

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tgccctttga ctatgtgaag acacagattc agaagatgca acctgatgcg aatggcaagt 540
 acccatacac agggntcttt ggactgtgct 570

<210> 11535

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-C6

<400> 11535

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 caacctgtac atccgacgga cgggtccaga cagcagggag atggtgactg tggaggggaag 180
 aagaggctct agtgatcaga caggcgacat gaggtacgtg agtgacttcc ccgtctacga 240
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 ccttaccgaa ggagtggatg cggatggatc agatgaatgg gcaatctacg gcgggaccgg 420
 agagtttgct atggcgagag gtgtcgtcaa aagaaggtag cttgccgata gggatggcgc 480
 cgggaacact gacgagctca gcatgcaggt tttctgcccg gtgtttggct catcacagca 540
 accaaacaag ca 552

<210> 11536

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-C7

<400> 11536

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 gccccgagaa gatccgcac cagaagtggc acaacatcta caaggaccac atcacctca 180
 aggactacga ggtccacgac ggcatgggcc tcgagctcta ctacaactga gccgccgcc 240
 ctctctccct ctcgtcaggt tggctggaat tctgaagtca tgggtgcaat tcgcttcgag 300

gtgatctctt aagctcatca catatataaa agcaacctca gttggctatg taagacatgg 360
 .cgtgccaaac tatcagtgac cactgccagc tttgcaatac gttgttgat ggtcaacctg 420
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<210> 11537
 <211> 538
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-C8
 <400> 11537

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 caatgtacag caaccagtca gggattgggg tggcgccaac acagatgcag gcaggcttgg 180
 ggaaccagca gttgggttcg acatccatga tgggcatgcc tccacagatg tatggcggcg 240
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 tgtatggtgg tgggtggtcgt ctggcagggt acatgcagca tctgtctgtg gccgctgcac 360
 actactacag caacctgggg acagcgggaa tgtatgggta ccccggcgcg aacgggctgt 420
 cccagagcat gtatggcctc tcgggtgcagg ttaactcgtc gtaccagact aagacggcgc 480
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<210> 11538
 <211> 567
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-C9
 <400> 11538

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ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta tcacccttgt 240
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acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc tactctcagc 360
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aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca 480
accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta ctaccattca 540
gccagctagc tgggtgtgagc cctgcta 567

<210> 11539
<211> 578
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-N6-D1
<400> 11539

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tattccacaa tgctcacttg ctcttagtgc cattattcca cagttcctcc caccagttac 180
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acaagccatc acaacgcaac agcaacaaca gttcctacca gcactgagcc acctagccat 360
ggtgaaccct gccgcctact tgcaagagca gctgcttgca tccaaccac ttgctctggc 420
gaacgtagtt gcaaaccagc aacaacaaca gctacaacag tttctgccaa cgctcagtca 480
actagccatg gtgaaccctg ccgntacgt acaacaacaa caactgcttt catctagccc 540
gctcgctgtg ggcaatgcac ctacatacct gcaacaac 578

<210> 11540
<211> 330
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-N6-D10
<400> 11540

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 acctgtttcc ttactaccta gtgtccaagt cggaatatta ataagctatg ccaggattca 180
 gatcgaaata tttctgtctc tgagagatgt gttgcgtgac aacttttcga agactgttgc 240
 ctgaacaata tctgtgtgtt tatccctaga ctctaattgta caaacagagt cttatacagt 300
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<210> 11541
 <211> 585
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D11
 <400> 11541

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 tctatagcca acctcagggt tctgttgtca atactcggca tcttgaagat attttcaaca 180
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 ctctctcact ggagacttct attggaatgt ggcagttgct atttgctgaa agaactggcc 540
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<210> 11542
 <211> 575
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-D12
 <400> 11542

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 tgctcacttg ctctagtgc cattattcca cagttcctcc caccagttac ttcaatgggc 180
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 acaacgcaac agcaacaaca gttcctacca gcaactgagcc acctagccat ggtgaaccct 360
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<210> 11543
 <211> 466
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D2
 <400> 11543

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<210> 11544
 <211> 450
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D3

<400> 11544

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<210> 11545

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-D4

<400> 11545

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ttttccctca atgctcacia gctcctatag cttcccttct tccccatac cttccatcaa 180
tgatagcttc agtatgtgaa aaccagctc ttcagcccta taggctccaa caagcaatcg 240
cagcaagcaa cataccttta tcacccttgt tgtttcaaca atcgccagcc ctatcttttg 300
tgcagtcatt ggtacaaacc atcagggcac agcagctgca gcaactcgtg ctacctgtga 360
tcaaccaagt agctctggca aacctttctc cctactctca gcaacaacia tttcttccat 420
tcaaccaact gtctacactg aaccctgctg cttatttgca gcaacaacta ttaccattca 480
gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540
cactgaaccc cgctgcttat ttgcagcagc aaatactact accatttagc cagctagctg 600
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<210> 11546

<211> 392

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D6
 <400> 11546

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 gcaacaattg ctgccattca accaacttgc tttgacaaac ccagcagcgt tctaccaaca 180
 acccatcatt ggtgggtgcc tcttttagat ttcttatgag ttatagttca ataataaagt 240
 tttttgtctg atgtttgtgg cttcccagaa ataagaaagt acatttctag attaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa 360
 aaaaaaaaaa aacaaaaaaaa aaacaaacaa ac 392

<210> 11547
 <211> 605
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D7
 <400> 11547

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 tgaggaaagtg ggtcgctcgag cacaagctcc gagccgtagg ttgcctctgg ctaggtggga 180
 tcagcagttc gatcgcttac aactggctgc ggccaatat gaagcctagc gtcaagatca 240
 tccacgcaag gttgcatgct caagctctaa ccctggctgc attagttggt tctgcatgcg 300
 tggagtacta tgatcagaag tatggttctt ctgggccaaa ggtggacaaa tacacaagcc 360
 aatacctggc ccattcgcat aaagattaaa ggtcgccatg ttggttctctg catgccggat 420
 taattttggg ctcatctcgg gttgctcatg acccgcccat ggatgctgga tgtttattct 480
 ttttttgtct tcataattac aaaatgggtg tgtacttgcc aggcaaagt taatgagggt 540
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<210> 11548

<211> 551
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D8
 <400> 11548

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 ccattccgcc tctcggaaga gttgagagag gagtaaggaa ggcgaggacc tcgcgcccg 180
 cgatggggcg cgacctgtac gccctcgact tcgacggcgt ctgtgtcgac agctgcgggg 240
 agagctccct ctgagccatc aaggctgcga aggtgaggtg gccgtcgctg ttgtgagcagg 300
 ttgacgcgcg catggaggag tggatagtgg agcagatgta cacccttcgt ccagtgggtg 360
 aaacaggata tgaaaactta ttgcttgtaa ggttgcttgt tgagatccag atacactctg 420
 ttcgaaaatc atcagttgca gatgggctta gcatccaaga aatattggag aactgggtcaa 480
 aactgaagcc cactctcatg gatgagtggc aagaagatag ggaatctctt gtagatctct 540
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<210> 11549
 <211> 620
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-D9
 <400> 11549

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 acaattttcc ctcaatgctc acaagctcct atagcttccc ttcttcccc ataccttcca 180
 tcaatgatag cttcagtatg tgaaaacca gctcttcagc cctataggct ccaacaagca 240
 atgcgagcaa gcaacatacc tttatcacc ttgttggttc aacaatcgcc agccctatct 300
 ttggtgcagt cattggtaca aaccatcagg gcacagcagc tgcagcaact cgtgctacct 360
 gtgatcaacc aagtagctct ggcaaacctt tctccctact ctgagcaaca acaatttctt 420
 ccattcaacc aactgtctac actgaaccct gctgcttatt tgcagcaaca actattacca 480

ttcagccagc tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg 540
 gccgcactga accccgctgc ttatttgcag cagcaaatac tactaccatt tagccagcta 600
 gctgcagcaa aacgtgcttt 620

<210> 11550
 <211> 581
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-E1
 <400> 11550

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 ccaattgccc aattacaaca acaatccttg gcacatctaa ccatacaaac catcgcaacg 180
 caacagcaac aacaatttct accagcactg agccaactag ctgtggtgaa ccctgtcgcc 240
 tacttgcaac agcagttgct tgcattccaac ccacttgctc tggcaaacat agttgcatac 300
 caacaacaac aacaattgca acagtttcta ccagcgctca gtcaactagc catggtgaac 360
 cctgccgcct acctacaaca gcaacaactg atttcatcta gccctctcgc tgtggttaat 420
 gcacctacat acctgcaaca acagttgctg caacagattg taccagctct gactcagcta 480
 gctgtggcaa accctgctgc ctacttgcaa cagctgcttc cattcaacca actgactgtg 540
 togaactctg ctgcgtacct acaacagcga caacagttac t 581

<210> 11551
 <211> 640
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-E1
 <400> 11551

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 acaatgctca caagctccta tagcttcctt tcttccccca tacctctcac cagcggtgtc 180

ttcaatgtgt gaaaacccaa ttgttcaacc ctacaggatc caacaggcaa tcgcaacagg 240
 catcttacca ttatcacctt tggtcctcca acaaccgtca gccctattac agcagttacc 300
 tttgggtccat ttgggtggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 360
 aaaccttgcg gcatactctc agcaacatca gtttcttcca ttcaaccaac tgggtgcatt 420
 gaactctgct gcttatttgc aacaacaatt accattcagc cagctagttg ctgcctaccc 480
 ccagcaattt cttccattca accaactagc agcattgaac tctgctgctt atttacagca 540
 gcaacaacta ctaccattca gccagctagc tgatgtgagc cctgctgcct tcttgacaca 600
 acaacagttg ttgccgttct acctgcacgc tatgcctaac 640

<210> 11552

<211> 495

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-E12

<400> 11552

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 agttacttca atggccttcg aacaccagc tgtgcaagcc tataggctac aacaagcgat 120
 tgcggcgagc gtcttacaac aaccaattgc ccaattgcaa caacaatcct tggcacatct 180
 aacaatacaa accatcgcaa cgcaacagca acaacagttc ctaccagcac tgagccacct 240
 agccatgggtg aaccctgtcg cctacttgca acagcagctg cttgcatcca acccacttgc 300
 tctagcaaac gtagttgcaa accagcaaca acaacaactg caacagtttc tgccagcgct 360
 tagtcaacta gccatgggtga accctgccgt ctacctaaa cagcaacaac tgctttcatc 420
 tagcccgtc ggtgggggca aagcacctac atacctgcaa caagaattgt tgcaacagat 480
 tgtaccagct ctaac 495

<210> 11553

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-E2

<400> 11553

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 tgggttggtg ctcatctttaa aaacagggga aggagattat ttttccttga tggggcaagg 180
 acggtagatc tgaaagcagc atggcgtgga aatatttttc ttgaaaacag taggcacagg 240
 attaagtaca agaatactcc attagaatct tgagttgaag ggtcttgaat tttttacca 300
 attgctggag caaactcagg gatctaacac ggttttagtct aactacttag ttaagagtat 360
 tcaacataaa gattcttttg aatcacaata agctgacaaa tgcattcattt ctttatcaat 420
 ttcaccatct catctgcata gtccctttg tttttattct gttattcaca tgggttttct 480
 agtgatgtta ttatcaaagc agttgacgat gcttacctgt ttttccatgc taacg 535

<210> 11554
 <211> 476
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-E3
 <400> 11554

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 aaccctgctg cttatttgca gcaacaacta ttaccattta gccagctagc tactgectac 120
 tctcagcaac aacaacttct tccatttaac caattggccg cactgaaccc cgctgcttat 180
 ttgcagcagc aaatactact gccatttagc gagctagctg cagcaagtcg tgcttccctc 240
 ttgacacaac aacagttggt gccgtttctac ctgcaagcta tgcttaacgc tggcaccctc 300
 ttacaactgc aacaattgct gccattcaac caacttgctt tgacaaaccc aacagtgttc 360
 taccaacaac ccatcattgg tgggtgccctc ttttagattg cttatgagtt atagttcaat 420
 aatgaagttt tttggatgat gtttgntggc gtcccagaaa taagaaagta catttc 476

<210> 11555
 <211> 587
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-E4

<400> 11555

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aaatgcgttc attattccac agtgcctcact tgctccaagt tccattatta cacagttcct 180
cccaccagtt acttcaatgg gcttcgaaca cccagctgtg caagcctata ggctacaaca 240
agcaattgcg gcgagcgtct tacaacaacc aatttcccag ttgcaacaac aatccttggc 300
acatctaaca atacaaacca tcgcaacgca acagcaacaa caattcctac cagcactgag 360
ccaectagcc atgggtgaacc ctgccgccta cttgcaacag cagttgcttg catcaaacc 420
acttgcctcg gcaaacgtgg ttgcaaacca gccacaacaa cagctgcaac agtttctgcc 480
atcgctcagt caactagcca tgggtgaacc tgccgcctac ctacaacagc aacaactgct 540
ttcatctaac ccgctcgctg tggccaatgc acctacatac ctgcaac 587

<210> 11556

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-E5

<400> 11556

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agctcctata gcttcccttc tcccccgta cctctcacca gcggtgtctt cggatatgtga 180
aaacccaatt cttcaaccct acaggatcca acaggcaatc acagctggca tcttaccttt 240
atcacccttg ttctccaac aatcatcagc cctattacat cagttacctt tgggtgcattt 300
attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc 360
ctactctcag caacagcagt ttcttccatt caaccaacta gctgcattga actctgcttc 420
ttatttgcaa caacaacaac taccattcag ccagctacct gctgcctacc cccagcaatt 480
tcttccattc aaccaactgg cagcattgaa ctctcctgct tatttacagc agcaacaact 540
actaccattc agccagctag ctgggtgtga gccctgctac cttcttg 587

<210> 11557
 <211> 581
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-E6

<400> 11557

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cctccactcc ctagcagggc caacggtgat gctgctgtac cctctgtacg cgcccggtgc 180
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ctccttcgtc acgctcatgg agatgctcct cgagtccttc atatactgga tccccatctg 300
gtacgagctc aagctgctgt tcatcgctg gctcgtgctc cccaacttca ggggcgcgcg 360
cttcacttac gacaagttcg tgcgcgagca gctccggaag cacggcctca ccgccgcgcg 420
ctccgtcaag tcgtcgtcgc cgctgtccaa ggacaaggac aagcccaaga acaagttcct 480
cgccttcgtc acgccaaga aggatcatga agcttactga agtgggttgc agtgatccca 540
ttcctggacc atgtcccngc aacctgtagc tgtagtgcac t 581
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<210> 11558
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-E7

<400> 11558

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atgatggggtt gttggtagaa cgctgctggg tttgtcaaag caagttgggt gaatggcagc 120
aattgttgca gttgtaagag ggtgccagcg ttaggcgcag cgtgctggta gaacggcaac 180
aactgtgggtt gtatcaagaa ggtagcaggg ctcacaccat ctagctgggt gcatggcagt 240
agcgtgctgt tgctctaaat aagcaggcta attgaatact ggcacctgcc ttgttgcgac 300
acattaatcg cgggtgggtgt ggtgtttccg cctcaaagga ccgttacact tgctgcccc 360
ctagcgccgc ctccttctgg tttcttcctt tcctttctc 399
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<210> 11559
 <211> 419
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-N6-E8

 <400> 11559

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 cctgggtcagc ggcgttacct ataccgtctc atgccatgtt cgcggtggga agatgagcac 120
 caaggagggtc gacgagcata tgatcaacgt gcagaacaag aactgggcct actttgtgga 180
 gtggatcccc aacaacgaga agtccagcgt gtgtgacatc ccgccgtggg gcctgaccat 240
 ggcgtccacc ttgggtggga acttaacttt catccgatga tatagcacgg aggggtgagcg 300
 agcagttcac tgccatgtta aagacgaagg ctttcttgta ctggcacacg ggcgaagtca 360
 tggacgatat tgatttcacc gaggcctaa gcactatgaa tgacctcgtg tctgactac 419

<210> 11560
 <211> 337
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-E9

 <400> 11560

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 tgtgcggcct gcagcagccg actccatgcc cctacgctgc tgccggcggt gtccccnac 120
 tgaagaaact atgtgctgta gtatagccgc tggctagcta gctagttgag tcatttagcg 180
 gcgatgattg agtaataatg tgtcacgcat caccatgggt ggcagtgtca gtgtgagcaa 240
 tgacctgaat gaacaattga aatgaaaaga aaaaatattg ttccnnanaa aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nggggng 337

<210> 11561
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-F11

<400> 11561

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ccaagaaact gacgtacgag cagaggaagg ccagtctcat tgaaaggctc aaccaactca 180
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agtagtgcta tcttatgcgg cgatcagtat ttgtgctatg gcatttatcg ctacctgtag 300
tcgtgcaaca tgcatttttg ttaagtttg tcgatgcgaa caaagttgtt tctgttagtt 360
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<210> 11562

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F2

<400> 11562

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gccagtgtc agtcaactag ccatgggtgaa cctgccgtc tacctacaac tactttcatc 180
tagcccgtc gcgggtgggca atgcacctac gtacctacaa caacagttgc tgcaacaaat 240
tgtaccagct ctgactcagc tagctgtggc aaaccctgct gcctacttac aacagttgct 300
tccattcaac caactggctg tgtcaaactc tgctgcgtac ctacaacagc gacaacagtt 360
acttaatcca ttggcagtggt ctaaccatt ggctgctacc ttctgcagc agcaacaaca 420
attgctgcc aacaaccagt tctctttgat gaaccctgcc ttgcagcaac ccacgttggt 480
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<210> 11563

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-N6-F3

<400> 11563

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agatgatgat gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc 420
tgatgcagca gcagcagcag ctgctggcag cccaggggtct caaccccatg gccatgatga 480
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<210> 11564

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F4

<400> 11564

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<210> 11565
 <211> 555
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F5

<400> 11565

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gcctgaagct gtcctagaaa attcaactcc attgtcacct aaaagaaaga caccattttc 420
ccacggcaag ctagaatgct ccagaagaca tacacgcata tcagggaata ggacaacaga 480
gattcggagt gtcatatgc tttctttgct gcttcaatct ttagttcgca tgaaagatct 540
cgtaaataat ggaac 555
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<210> 11566
 <211> 581
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F6

<400> 11566

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gatgaaggca gtggagaagc tcatcagtgg caccgagatt gatctcacag aactggaaag 480
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<210> 11567

<211> 165

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F7

<400> 11567

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<210> 11568

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-F8

<400> 11568

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cccgtccgc gccgtcgtgc cggggttctc gttecgcccc gtcgggctgc tcgatatgtt 540
caacgctggg ggcgcggttg aggagtgcga cgtgatcagc aatgtcggcg gcaaggccat 600

ggctctcaag gttcgcgggt gcggtcgggt cggcgcttac tgctcg

646

<210> 11569

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-G1

<400> 11569

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cctccccac gcagcaagga tcgagaagag gaggagcaag atggattgaa gaggaagaga 120

ggatcaagga gatgttctac ccccccccc catctattgc agattttctt ggggaaactc 180

taggtggcta cactccagat catgcctagt atattttctt ttcttcgatg aaggacttg 240

attcatgttg ggaatgaggg gagtagcagc acgtccacct tcaactctcat aataacgttg 300

cccaggcaca gccatgattt aattagaaac ttcttgtaa aggatgttg tctttaacta 360

gtcatgcaca ctagttaatt caattcatgt cgttatgggt 400

<210> 11570

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-G10

<400> 11570

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taccaacaat ggcagccaaa atattttgcc tcttatgct ccttggctt tctgcaagtg 120

ctgctacggc gaccattttc ccgcaatgct cgcaagctcc tatagcttcc cttcttcccc 180

cgtacctctc accagcgggtg tcttcgggtat gtgaaaaccc aattottcaa ccctacagga 240

tccaacaggc aatcacagct ggcattcttac ctttatcacc cttgttctc caacaatcat 300

cagccctatt acatcagtta cctttgggtgc atttattggc aaaaaacatc agggcacaac 360

aactacaaca acttgtgcta gcaaaccttg ctgctactc tcagcaacag cagtttcttc 420

cattcaacca actagctgca ttgaactctg cttcttattt gcaacaacaa caactaccat 480

tcagccagct acctgctgcc tacccccagc aatttcttcc attcaaccaa ctggcagcat 540

tgaactctcc tgcttattta cagcagcaac aactactacc attcagccag ctagctgggg 600
 tgagccctg 609

<210> 11571
 <211> 581
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-G11

<400> 11571
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 ggtctttctg caagtgtgc tacggcgacc attttccac aatgctcaca agctcctata 120
 gcttcccttc tcccccgta cctctcacca gcggtgtctt cggatatgtga aaaccaatt 180
 cttcaaccct ataggatcca acaggcaatc gcagctggca tcttaccttt atcaccttg 240
 ttctccaac aatcatcagc cctattacag cagttacctt tgggtgcattt attggcacia 300
 aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc ctactctcag 360
 caacaacagg ttcttccatt caaccaacta gctgcattga actctgcttc ttatttgcaa 420
 caacaacaac taccattcag ccagctattt gctgcctacc ccaggaatt tgttgcatte 480
 aaccaactga cagcttttga actctccctg ctatttacag aagcaacaac tactaccatt 540
 taatccacct aactggggtg aagcccctgc tacctttctt g 581

<210> 11572
 <211> 619
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-G12

<400> 11572
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 tcttatttgc aacaacaaca acaatcatca gccctattac agcagttacc tttggtgcat 120
 ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct 180
 gcctactctc agcaacaaca gtttcttcca ttcaaccaac tagctgcatt gaactctgct 240

tcttatttgc aacaacaaca actaccattc agccagctat ctgctgcta cccccagcaa 300
 tttcttccat tcaaccaact gacagctttg aactctcctg cttatttaca gcagcaacaa 360
 ctactaccat tcagccagct agctgggtgtg agccctgcta ccttcttgac acaaccacaa 420
 ttgttgccgt tctaccagca cgctgcgcct aacgctggca ccctcttaca actgcaacaa 480
 ttgctgccat tcaaccaact tgctttgaca aaccaacag cattctacca acaacccatc 540
 attgggtgtg ccctctttta gatttctcat gagttatagt tcaataataa aggtttttgt 600
 ctgatgtttg gggcttccc 619

<210> 11573

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-G2

<400> 11573

gagaactagc agaactgttg attgccaaat gtgcacagaa gaaaactata tgcaatggca 60
 tcaatgggct tggttactgg ggggcagtac gtgggaatca gcacctgctg gtgctggctg 120
 ggttggtgct catttgaaaa acaggggaag gagattatct ttccttgatg gggcaaggac 180
 ggtagatctg aaagcagcat ggcgtggaaa tatttttctt gaaaacagta ggcacaggat 240
 taagtacaag aatactccat tagaattttg agttgaaggg tcttgaattt tttacccaat 300
 tgctggagca aactcagga tctaacacgg tttagtctaa ctacttagtt aagagtattc 360
 aacataaaga ttctttggaa tcacaataag ctgacaaatg catcatttct ttatcaattt 420
 caccatctca tctgcatagt tccctttggt tttattctgt tattcacatg gtttttctag 480
 tgatgttatt atcaaagcag ttgacgatgc ttacctgttt ttccatgcta acgtggcttc 540
 gatattatca tgtttttttg agccctt 567

<210> 11574

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-G3

<400> 11574

ngaacagcaa tcacagctgg catcttacct ttatcacctt tggtcctcca acaatcatca 60
 gccctattac atcagttacc ttgtgtgcat ttattggcac aaaacatcag ggcacaacaa 120
 ctacaacaac ttgtgctagc aaaccttgct gcctactctc agcaacagca gtttcttcca 180
 ttcaaccaac tagctgcatt gaactctgct tcttatttgc aacaacaaca actaccattc 240
 agccagctac ctgctgccta cccccagcaa tttcttccat tcaaccaact ggcagcattg 300
 aactctcttg cttatttaca gcagcaacaa ctactaccat tcagccagct agctgggtgtg 360
 agccctgcta ccttcttgat acaaccacag ttgttgccgt tctaccagca cgctgcgcct 420
 aacgctggca ccctcttaca actgcaacaa ttgctgcat tcaaccaact tgctttgaca 480
 aaccagcag cgttctacca aacaacccat cattgggtgg gcncctcttt tagatttctt 540
 atgagttata gttcaataat aaaagttttt gtct 574

<210> 11575
 <211> 187
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-G4

 <400> 11575

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 cttgcgcttc ttgcgctttt tgcgagcgca acaaatgcgt tcattttattc cacnaatgnc 120
 tncnnnactt gnctnnccaa gttccattat taccacagnn ttcctccac cagttaccct 180
 tcaatgg 187

<210> 11576
 <211> 573
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-N6-G6

 <400> 11576

tccacctctt gctggtgcca gggccgggag ggcgtcgcgg aggtggcgcg catggggctc 60
 gcgggggacg ggtcggcgga caccgcccac cttagtaata atgaaaatgg gcggttcatt 120

tatggagttg cgagttctcc tggtaaaaga gcatcgatgg aggacttcta tgaggcaaga 180
 atagacgacg ttgatggaga gaaaattgga atgttcggtg tatatgatgg tcatggagga 240
 gtccgagcag ctgagtatgt taagcagcac cttttcagca atttaataca acatccaaag 300
 ttcatcactg ataccaagge tgctatcgcc gaaacttaca acctcacaga ttcagaattt 360
 ctgaaagctg atagctgtca aactcgagat gctgggtcaa ctgcctcaac agctattatt 420
 gtaggtgacc gtttgcttgt tgcaaagtgt ggagattcta gagccgttat ttctaaagga 480
 ggacaggcga ttgcggtttc aagggatcac aaacctgatc agacagatga gagacaaaga 540
 atttgaggac gcaggggctt tgttatgtgg gct 573

<210> 11577
 <211> 587
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-G7
 <400> 11577

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 ccaagatatt ttccctcctt atgctccttg ctctttctac atgtgttgct aacgcgacaa 120
 ttttccctca atgctcacia gctcctatag cttcccttct tccccatac cttccatcaa 180
 ttatagcttc agtatgtgaa aaccagctc ttcaaccata taggcttcaa caagcaatcg 240
 cagcaagcaa cataccttta tcgccttgt tgtttcaaca atcaccagcc ctatctttgg 300
 tgcagtcatt ggtacaaacc atcagggcac aacagctgca gcaactcgtg ctacctgtga 360
 tcaaccaagt agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat 420
 tcaaccaact gtctacactg aacctgctg cttatttgca gcaacaacta ttaccattta 480
 gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540
 cactgaaccc cgctgcttat ttgcagcagc aaatactact ggcattt 587

<210> 11578
 <211> 564
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-G8

<400> 11578

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gcccttgctc tcttggcgct cgctgcgagc gccgcctcca gtacaagcgg cggctgtggc 120
tgccagacac caccgtttca tctaccgcct ccgttctata tgccgcctcc gttctatctg 180
ccgccgcagc agcagccgca gccatggcaa taccctactc aaccaccgca gctaagcccg 240
tgccagcagt tcggatcctg cggcgtcggc agcgtcggca gccggttcct gggccagtgc 300
gtcgagttcc tgaggcacca gtgcagcccg gcggcgacgc cctacggctc gccacagtgc 360
caggcgctgc agcagcagtg ctgccaccag atcaggcagg tggagccgct gcaccggtac 420
caggcgacat acggtgtggt cctgcagtcc ttctgcagc agcagccgca gggcgagctc 480
gcggcgctga tggcgggcca agtagcgag cagctgacgg cgatgtgcgg cctgcagctg 540
cagcagccca gtccctgccc ttgc 564

<210> 11579

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H1

<400> 11579

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tcattatgct ccttgggtctt tctgcaagtg ctgctacggc gagcattttc ccgcaatgct 120
cacaagctcc tatagcttcc cttcttcccc catacctctc accagcgatg tcttcagtat 180
gtgaaaatcc aattcttcta ccttacagga tccaacaggc aatcgagca ggcattctac 240
ctttatcacc cttgttctct caacaatcat cagccctatt acagcagtta cttttggtgc 300
atattattggc acaaaacatc agggcacaac aactacaaca actcgtgcta gcaaaccctg 360
ctgcoctactc tcagcaacag cagttacctt tgggtgcattt gttggcacia aacatcaggg 420
cacaacaact acaacaactc gtgctagcaa accttgctgc ctactctcag caacaacagt 480
ttctgccatt caaccaacta gctgcattga actctgctgc ttatntgcag caacaacaac 540
tactaccatt cagccagcta gctgctgctt acccccggca attt 584

<210> 11580

<211> 617

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H10

<400> 11580

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aagcgcttgc ggcgagcgtc ttacaacaac caattaacca attgcaacaa caatccttgg 120
cacatctaac catacaaacc atcgcaacac aacagcaaca acagttccta ccagcactga 180
gccaactaga tgtggtgaac cctgtgcgct acttgcaaca gcaggtgctt gcatccaacc 240
cacttgctct ggcaaacgta gctgcatacc aacaacaaca acaattgcaa cagtttctgc 300
cagcgctcag tcaactagcc atgggtgaacc ctgccgccta cctacaacag caacaactgc 360
tttcatctag ccctctcggt gtgggtaatg cacctacata cctgcaacaa caattgctgc 420
aacagattgt accagctctg actcagctag ctgtggcaaa ccctgctgcc tacttgcaac 480
agctgcttcc attcaaccaa ctgactgtgt cgaactctgc tgcgtaccta caacagcgac 540
aacagttact taatccacta gcagtgccta acccattgggt cactgccttc ctacagcagc 600
aacaattgct accatac 617

<210> 11581

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H11

<400> 11581

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agcaacatct tagcaccaat ggcagccaag atttttgcgc tcttgccct ccttgctctt 120
tcagcaagtg ttgctaccgc gactattatt ccacaatgt cacaacaata cctctctcca 180
gtgatagccg cgagatttga ataccatct atacaatcct acaggctaca agaggccatc 240
acagcaagca tcttacggtc gttagcattg accgtccaac aaccatatgc cctattgcaa 300

caaccatcct tagtgaatct gtatctccaa agaatcacag cacaacaact acaacaacgg 360
 ttgcttccaa caattaatca agtagttgca gcgaaccttg ctgcttacct tcagcaacaa 420
 caatttcttc cattcaatca actagctggg gtgaaccctg ctgcttactt gcaggcacia 480
 cagctactac cattcaacca acttgctggg agccctgctg ccattcttatt gcagcaacag 540
 ttgctgccat tccgtctaca agttgttgca aacattgctg ctttcttgca acaacaacaa 600
 ttgctgcc 609

<210> 11582

<211> 139

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H12

<400> 11582

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 attttccctc cttatgctcc ttgctctnnc tacatgngtt gctaacgcga cattttttcc 120
 ttaatgctaa caagctcct 139

<210> 11583

<211> 587

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H2

<400> 11583

caattagctc atcgactcca gattggagaa ctgcacacca tgaaggtgct gatcgttgcc 60
 cttgctctcc tggcgctcgc tgcgagcgcc gcctccagta caagcggcgg ctgtggctgc 120
 cagacaccac cgtttcatct accgcctccg ttctatatgc cgctccggtt ctatctgccg 180
 ccgcagcagc agccgcagcc atggcaatac cccactcaac caccgcagct aagcccgtgc 240
 cagcagttcg gatcctgcgg cgtcggcagc gtcggcagcc cgttctctggg ccagtgcgtc 300
 gagttcctga ggcaccagtg cagcccggcg gcgacgcctt acggctcgcc acagtgccag 360
 gcgctgcagc agcagtgctg ccaccagatc aggcaggtgg agccgctgca ccggtaccag 420
 gcgacatacg gtgtggtcct gcagtccttc ctgcagcagc agccgcaggg cgagctcgcg 480

gcgctgatgg cggcccaggt agcgcagcag ctgacggcga tgtgcggtct gcagctgcag 540

cagcccagtc cctgcccttg caacgcagct gccggcggtg tctacta 587

<210> 11584

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H3

<400> 11584

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gctaagcgca ggtttgaggg atgccgaggg gttgtacctc gccagcgatt cggacaagcg 180

gctattgatc tacttcccct ttatgcaggt caagctacat tccgtgctat tcaaaggccc 240

caaggatgac gcaatggcaa tgactatcta ccaatggaca tcgtggagct atcttccgat 300

catttgatag agaataaacc tttgctgcta aaggatgtca agttccaaaa cgtacacggg 360

cttaccagtg cttatagacc tttgtttggt cgggacacta cttttgctaa tggggaacag 420

gcaaggggga aatcttctta tagatctggt ccatcactgt gacaatcatt tgggagagaa 480

acaagtaaac aaccctnttt tccataaaac tccatctgga agtgcacgac agccactaca 540

gttgactaac gatgntacca agatgatgca naagcatcag ctg 583

<210> 11585

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H4

<400> 11585

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gcctaccccc agcaatttct tccattcaac caactagcag cattgaactc tgctgcttat 120

ttacagcagc aacaactact accattcagc cagctagctg atgtgagccc tgctgccttc 180

ttgacacaac aacagttggt gccgttctac ctgcacgcta tgccctaacgc tggcacccctc 240

ttacaactgc aacaattgct gccattcaac caacttgctt tgacaaactc aacagtgttc 300
 taccaacaac ccatcattgg tgggtgcctc ttttagattg cttatgagtt atagttcaat 360
 aatgaagttt tttggatgat gtttgtggcg tcccagaaat aagaaagtac atttctagat 420
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<210> 11586

<211> 556

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H5

<400> 11586

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 acacaatgcg ttaaaggctt caccaattga aataaatggg cggcagatat atgttgagga 180
 gaggaagcca aatagcggaa taagaggag gggaggacgt ggccgtttca gtggtggagg 240
 ccgggggatat tcgagagggtg gaggcgacga gtacaatagt aaccgtggga ggtcaaacgg 300
 ttacggtcgt gtcctcacc aagagagggg catacttggg agccacactc caaggaactg 360
 attcagtcga gcagcaaaca taaggttttg atccgtgtcg tcaaagcgag agagagagat 420
 cctaaacaat ccgcctatca gctactaggc cgcgtttggg ttttggggct tgttttgtcg 480
 atgaatgtgt gtgcgcgcgt catcgaccta tgtgacactt aaaacttttg ctagtctgac 540
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<210> 11587

<211> 389

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H6

<400> 11587

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 ccggggggcg tttttttggg gtacaaaatt ttatatgctg ttttgggggg ccattgtttt 180

tttttggggg ggggggaggt ttcatttttg gtgggcgcgg gtgtttcccc ctttttacct 240
 ggggaaaccc ggtggtttcc ttctttttttt ggtttgtggg cttttccttt ttccgcctgg 300
 gggtttggca attgggcccc tcccgtttgg ctttttgcaa attggccgcg acctttttgt 360
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<210> 11588

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H7

<400> 11588

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 gtttcttgta cacagacagg cggctgcagc tgtgggtcaac aacaaagcca tgagcagcaa 180
 catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
 cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca tcagcaacaa 300
 caagaagttc atgttcaaca acaacaacaa caaccgcagc accaacaaca acaacaacaa 360
 caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcacia 420
 ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480
 caacatcaac aacaattcca ggtcatgac aagcagcaac aaccacaaca gcctcagcaa 540
 tatcagcagg gccaggaaaa atcacaaacag caacaatgtc attgccagga gcagcaacag 600

<210> 11589

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H9

<400> 11589

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 agttcctccc tccagttact tcaatgggct tcgaacaccc agctgtgcaa gcctataggc 180

tacaacaagc gcttgcggcg agcgtcttag aacaaccaat tgccaatta caacaacaat 240
 ccttggcaca tctaaccata caaaccatcg caacgcagca gcaacaagca ctgagccacc 300
 tagccgtggt gaaccctatc gctacttgc aacaacagct gcttgcattc aaccacttg 360
 ctttggcaaa cgtagctgca taccaacaac aacaacagtt gcaacagttt ctaccagcgc 420
 tcagtcaact agccatggtg aaccctatcg cctacctaca acagcaacaa cttctttcat 480
 ctagcccgct cgctatgggc aatgcacctc catacctgca acaacagttg ttgcaacaac 540
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<210> 11590
 <211> 606
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-A1
 <400> 11590

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 tttttcctca atactcacia gctcctatag ctgcccttct tccccatac cttccatcaa 180
 tgaccgcttc agtttgtgaa aaccagccc ttcaacctta caggctccaa caagcaatcg 240
 caacaagcaa cttaccttta tcaccctgtt tctttcaaca atcgccagcc ctatctttgg 300
 tgcagtcatt ggtacaaacc atcagggcac aacagctgca acaactcgtg ctaccagtga 360
 tcagccaagt agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat 420
 tcaaccaact gtctacactg aacctgctg cttatttaca acaacaacaa ctactaccat 480
 tcagccagct agctactgcc tactctcagc agcaacaatt tcttccattt aaccaattgg 540
 ccgcaactgaa cccctctgct tatttccagc agcaaatact actaccattt ggccagctag 600
 ctacaa 606

<210> 11591
 <211> 625
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-A11

<400> 11591

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gcctacttgc aacaacagct gcttgcatcc aaccacttg ctttggcaaa cgtagctgca 120
taccaacaac aacaacagtt gcaacagttt ctaccagcgc tcagtcaact agccatgggtg 180
aaccctatcg cctacctaca acagcaacaa cttctttcat ctageccgct cgctatgggc 240
aatgcaccta catacctgca acaacagttg ttgcaacaac agttgctgda acaaattgta 300
ccagctctta ctcagctagc tgtggcaaac cctgctgcct acttgcaaca actacttcca 360
ttcaaccaac tgactgtgtc gaactctgct gcgtacctac aacagcgaca acagttactt 420
aatccactag cggtggctaa cccattgggtc gctgccttcc tacagcagca acaattgctg 480
ccatacaacc agttctcttt gatgaaccct gccttgctgt ggcagcaacc catcggtggt 540
ggggccatct tttagataca tatgagatgt actcgataat ggggccctca tagcggcatg 600
tgtttcctaa aaataatcaa tatat 625

<210> 11592

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-A2

<400> 11592

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taatacgctc cttgcgctgc ttgggctttt tgggaggcca ccaaatgcct acattaaacc 120
agagggctga ctactcaaa gtaccaatat tatacatgca cctgccaccg aacacttagg 180
tgggggcagt acaaccatct gtgctagcct atcggttcc acatataatt gcgtgcgagc 240
gcttcacaac tatctattgc ccacttgcaa cagcgatcct tggctcattt aacaatgcaa 300
accatccttt cgcagcagca acaacaatta ctacctgaac tgaggctgct agccatgggtg 360
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<210> 11593

<211> 504

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-A3

<400> 11593

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 gccaaaggcga ggtcgagcgg cagaggctca gggacctgca gtgctggcag gaggtccagg 180
 agagcccgct cgacgcgtgc cgccaggctc tcgaccggca gctaaccggc ggcggcgtcg 240
 gcggccccgtt ccggtggggc accgggctcc ggatgcgggtg ctgccagcag ctccaggacg 300
 tgagccgcga gtgccgctgc gccgccatcc ggagcatggt caggggctac gaggaggcca 360
 tgccgcctct ggagaaaggc tgggtggccat gggggcggca gcagcagccg ccgccgcang 420
 gaggaggagg aggacagggg ggctactact acccctgcag ccgggcagga gagggatacc 480
 aaacgcagat gtatccaccg tgtc 504

<210> 11594
 <211> 590
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-A4

<400> 11594

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 tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat tatagcttca 180
 gtatgtgaaa acccagctct tcaaccatat aggtttcaac aagcaatcgc agcaagcaac 240
 atacctttat cgcccttggt gtttcaacaa tcaccagccc tatctttggt gcagtcattg 300
 gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat caaccaagta 360
 gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt caaccaactg 420
 tetacactga acctgctgc ttatttgag caacaactat taccatttag ccagctagct 480
 actgcctact ctgagcaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540

gctgcttatt tgcagcagca aatactactg ccatttagcg agctagctgc 590

<210> 11595

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-A5

<400> 11595

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ctctcttgat ctgagccatg gcggagggtgg agcagcaaca ggacacgccg aagctcttca 120
accgctggac cttcgatgat gtccagggtga acgacatctc gctgaacgac tacctcgtg 180
tgaacgcgac gaagcacgcg atgtacctgc cgcacaccgc ggggcgctac tccaagaagc 240
ggttccgcaa ggcgcagtgc ccgatcggtg agcgccttac aaactccctc atgatgcacg 300
ggcgcaacaa cggcaagaag gtcattggctg tccgcatcat caagcatacc ctggagatca 360
ttcacctgct caccgatgcc aaccccatcc aggtcgctcg cgacgcgatc atcaacagt 420
gcccccgta ggatgccacc cgtattggtt ccgctgggtg tgtgagaagg caggccgtg 480
atatctcacc cctgaggagg gtgaaccagg ccatctacct nctcaccact ggtgccagg 540
agagtgcctt ccngaacatc aaaaccattg ccgagtgcct tgc 583

<210> 11596

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-A6

<400> 11596

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taccatggag ggggactgct agagacccta actctcctgg gtctcgctag gagcgccacc 120
tccaccata caagtggggg atgaggctgc tcacccaacg cgtcgacatc atctaccacc 180
gccagggcat aggacacctc cggttaacct gccacctggc ggctacatca gccactcgac 240
tgacacctgg caacaccagc tcacctaaca cctccggggc atgtggcctt cacaagatca 300
actgccgcg ccaccataat agtaccctac taccacactc ctgcctgagc 350

<210> 11597
 <211> 625
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-121-Q6-K6-A9

 <400> 11597

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gcacaatagt gtaccaacaa tggcagccaa aatattttgc ctccttatgc tccttggctc   60
ttctgcaagt gctgctacgg cgaccatttt cccgcaatgc tcgcaagctc ctatagcttc   120
ccttcttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaacc caattcttca   180
accctacagg atccaacagg caatcgcagc tggcatctta cctttatcac ccttgttcct   240
ccaacaatca tcagccctat tacaacagtt acctttgggtg catttattgg cacaaaacat   300
cagggcacaa caactacaac aacttgtgct agcaaacctt gctgcctact ctcagcaaca   360
gcagtttctt ccattcaacc aactagggtc attgaactct gcttcttatt tgcaacaaca   420
acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc cattcaacca   480
actagcagca ttgaactctc ctgcttattt acagcagcaa caactactac cattcagcca   540
gctagctggg gtgagccctg ctaccttctt gacacaacca cagttgttgc cgttctacca   600
gcacgttgcg cctaacgctg gcacc                                     625
  
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<210> 11598
 <211> 569
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-B1

 <400> 11598

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tagcttccct tcttcccccg tacctctcac caacgggtgc ttcggtatgt gaaaacccaa   180
ttcttcaacc ctacaggatc caacaggcaa tcgcagctgg catcttacct ttatcacct   240
tgttcctcca acaatcatca gccctattac agcagttacc tttggtgcat ttattggcac   300
  
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aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gectactctc 360
 agcaacagca gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc 420
 aacaacaaca actaccattc agccagctat ctgctgcta cccccagcaa tttcttccat 480
 tcaaccaact gacagcattg aactctcctg cttatttaca gcagcaacaa ctactaccat 540
 tcagccagct agctgggtgtg agccctgct 569

<210> 11599

<211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-B10

<400> 11599

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 aggctgatgt tacttggcag accagagaag ggactttgct ccataaaga tgtgatatga 120
 ccttgagcat aaaaagtggg tcaactgcaa caagaagtgt ttggctgtga taaagaacac 180
 aattgtgcct acaatagtgg gcttagtccc agagtgtgag cctgtcacag agtaccttga 240
 caaaataaat agtcagttca ctggctcttc aaaaacatat gctacccagt tgataaagca 300
 gctgatgaca gagaggtact ctggaggtgg cagtggcata agagagcaca tactaaggat 360
 gagcaatatg gcatcaagct aaaaccaatg gatctggctc tcaaggatga gtttcttacc 420
 catataattt ttgcttcctt ggcaaaggaa tttgatactt ttgttgtaa ctataacata 480
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<210> 11600

<211> 580

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-B11

<400> 11600

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 tttaatgtgc ggctatggaa ggtcttcaca gaatgtttta acactctacc tgtggctgct 120
 cttatcgatg ataaaatatt atgtatgcac ggtggacttt ctcccgatct agcacacttg 180

gatgagataa agaacttgca acgtccaacc gatgtaccag atcaaggtct actgtgtgac 240
 ttacttttggc cagatccagg aaaagatggt caaggggtgg gcatgaatga tagaggggtc 300
 tcatatacct ttggtgctga caaggtttca gaattcctgc aaaggcatga tcttgatctt 360
 atttgctgtg ctcatcaggt tgtcgaggat gggatgaat tctttgctga cagacagctt 420
 gtcaccatat tctcggctcc caattattgt ggtgaatttg ataatgctgg cgcaatgatg 480
 agcgttgacg aaactttgat gtgttccttc caaattctga aacctgctga gagaaaacaa 540
 atttatgggg cccaacaaaa tgtgagatag tgaaccatt 580

<210> 11601

<211> 485

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-B12

<400> 11601

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 aaaaaaaaaa aaggggaggc acgttctaaa aggatccaaa atttacaggc cgcgtgcttt 120
 tctataggat ccacttttca tataggggcc cctgacatcg atttcactgc ttctttgggtg 180
 tacaacgaac ttgactgggg aagaccctcg gctttacca gcttaatcgg cttaaaccac 240
 gatgccccct tagctaaatg gcgtaatacc aaatagccct tcaccgatcg gccttcctaa 300
 cagttggggc gcctcaatgg cgaatgggac acaccttgtc acccgcatt aagcttggaa 360
 cgccccctga tccctcacat taagaccggt aaatttgccg gtcctcctaac gcccgccctt 420
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 gggggg 485

<210> 11602

<211> 580

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-B2

<400> 11602

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 tccctccttg cgcttcttgc gctttttgcg agcgcaacaa atgcgttcat tattccacaa 120
 tgctcacttg ctccaagttc cattattaca cagttctctc caccagttac ttcaatgggc 180
 ttcgaaacacc cagctgtgca agcctatagg ctacaacaag caattgcggc gagcgtctta 240
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 gcaacgcaac agcaacaaca attcctacca gcactgagcc acctagccat ggtgaaccct 360
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 gcaaaccagc cacaacaaca gctgcaacag tttctgccag cgctcagtca actagccatg 480
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<210> 11603

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-B3

<400> 11603

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 tcctatagct tcccttcttc ccccgacct ctaccagcg gtgtcttcgg tatgtgaaaa 180
 cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc 240
 acccttggtc ctccaacaat catcagccct attacaacag ttacctttgg tgcatttatt 300
 ggacaaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
 ctctcagcaa cagcagtttc ttccattcaa ccaactaggt tcattgaact ctgcttctta 420
 tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
 tcattcaac caactagcag cattgaactc tctgcttat ttacagcagc aacaactact 540
 accattcagc cagctagctg gtgtgagccc tgcta 575

<210> 11604

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-B5

<400> 11604

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cacaagctcc tatagcttcc cttcttcccc cgtacctctc accaacgggtg tcttcggtat 180
gtgaaaaccc aattcttcaa ccttacagga tccaacaggc aatcgagct ggcattctac 240
ctttatcacc cttgttctc caacaatcat cagccctatt acagcagtta ctttgggtgc 300
atttattggc aaaaacatc agggcacaac aactacaaca aettgtgcta gcaaaccttg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcagccagct atctgctgcc taccgccagc 480
aatttcttcc attcaaccaa ctgacagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctgggt gtgagccctg cta 583

<210> 11605

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-B6

<400> 11605

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ggatgagaaa gatgtgagag ggtttattaa gagagaggag tttgaacaca tcagtgcacc 120
tgtgctggta cgtgtcaaag gacccttgga gaaggccttg gctgaagctg gcttgacaac 180
tgaaaatgtg cactttgttg aggttgctcg atctggttct cgtgttccag ccataatcaa 240
gataatcact gatttttttg ggaaggagcc gagacgaacc atgaatgcaa gcgagtgtgt 300
tgcgcggggc tgtgctctcc agtgtgctat tctcagcccc actttcaaag tgcgggaatt 360
ccagggttaat gatgggtttc ctttctcaat tgcattgtca tggaaacaag actcgagaa 420
cagtgcaccc caacagaccc ttgtatttcc aaaggggaat gtaattccca gcattaaagc 480

tctaaccttc tataaatoca gtacatttga agttgatgtt ttgtatgtgg acacatgcga 540
ctcgcaaatt cacagaagaa agcacttaca caattgga 578

<210> 11606

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-B7

<400> 11606

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ggaggcggcg gcggcggtta cgggtggtggc cgtggaggcg gcggctacgg cgggtggcggg 120
cgccgtgatg gcggcggtcg ctacggcggt ggcgggcgcg gctacgggtg cggcggtggc 180
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tccagcagac ccatgcatca accagcatgg actgtggatc gatggatgct gttactcctg 480
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<210> 11607

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C1

<400> 11607

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caagggtgtg gtccttcaac cagatcggtt cctgagcgag ctgacgagca tgtacgagcg 120
gagcacggag aagggtccg tctgggtcac catgaagcga tcaactctca agggcaaggc 180
acagttgcgg aagatggaga ataaggggca ggaggtagag cacaggtgcc tcgtccgcgc 240
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agcttcatac gcaacagttc ttaaggccca tatgcatgct ctgaagaaaa gggagaggaa 360

agacaagaag aagactgcag atgctgagaa ggcaattgag accgcaccca agaagcagaa 420
gaaagcatct tcaaagaaat cttcagggtc caagtcataa ggcgctcaca gaactcagtg 480
tgtcttctcc tttatgttgt ttaccgccag actaattaga gtgtcgtgaa gttttactta 540
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<210> 11608

<211> 502

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-C10

<400> 11608

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cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcggtat 180
gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgcagct ggcattctac 240
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atattattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcctactc tcagcaacag cagttttctc cattcaacca actaggttca ttgaactctg 420
cttcttattt ggaacaacaa caactaccat tcagccagct acctgctgtc tccccccac 480
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<210> 11609

<211> 487

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-C11

<400> 11609

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agcaccacag gttaataatc ttctgcaagt gtgtccagga aataccaagc tgttgctact 120
gaaagtggat cagccgggat atcaaataat gatgcacaaa ccatctgcaa catgtttgtc 180

actgcatcac aacaactggc aaaaaatcta gagcatcaca ccttaaataga acatgggctc 240
tctaaaagat atgtacgctc cctgcagata tcggaggtgg tgaatcacat gaaggacttg 300
attgagttca gccacaagaa cggccttggc cctaaagaga gcctgaacag ctattctaaa 360
accatggcga agtttcacaa tatgcatgat tcaagacagc tcatggcgtg ctgccaacct 420
tgccaataac cagagcaaca ccaaactaat ggggaccaa caagaagcga gtgcttctgt 480
gaccaac 487

<210> 11610
<211> 445
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-C12

<400> 11610

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agcaccgccc cccgcctccc gcctccgctc caccatcgcg ggcgacgacg cgccgcgtag 180
gaccaagggc cgcggttcc gcgaggaccc taactcctcc gctaccgcg actcgcgctt 240
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tgaaggatgg attgtgttgg tcacaggagt tcacgaagaa gctcaagaag atgaccttca 360
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cggatttggc aaggggtacg ctttc 445

<210> 11611
<211> 613
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C2

<400> 11611

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ggcctggagg aagaagcga agtatgagct tggctgccag ccagccaaca ccaagttgtc 180

aagcaataag acggtgagga ggggtccgtgt tcgggggaggt aatgtgaaat ggaggggtct 240
tcgccttgat actggtaact actcatgggg aagtgaagct gttacccgca agacccgtat 300
cctcgacgtg gtctacaatg catcaaacia tgagcttgtg aggacacaaa cccttgtgaa 360
gagtgccatt gtgcaagttg atgctgcccc attcaagcag tggtagctca ctactatgg 420
agttgacatt ggttaggaaga agaaaacccc tgctgcaaag aaggataatg ctgagggaca 480
agaggttgag gcagcagctg aggaacgaa aaagagcacc atgtcacgag gaagcttgag 540
aagcgcaagg agggacgtac ccttgacccc acacattgag agcaatttgg cagtggacgg 600
ttgctggcat gca 613

<210> 11612
<211> 605
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-C4
<400> 11612

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ccttatgctc cttggtcttt ctgcaagtgc tgctaccgca accattttcc cacaatgctc 120
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tttggttgca caaacatca aggcacaaca actacaacia cttgtgctag gaaaccttgc 360
tgctactct cagcaacagc agtttcttcc attcaacaa ctggctgcat tgaactctgc 420
tgcttatttg caacaacaac taccattcag tcagctagct gctgctacc ccagcaatt 480
tcttccattc aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct 540
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tgccg 605

<210> 11613
<211> 520
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C5

<400> 11613

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gccatgattg gtcaagtgtc cctgttgctt ggctacacaa ggaaaactac gcgaagtcta 180

gcttggcaaa cgcacgggtg gtattcacca tccacaatct tgaatttgga gcgcatcata 240

ttggcaaagc aatgagatat tgtgataaag caacaactgt ctctaataca tattcaaagg 300

aagtgtcagg tcatggtgcc atagttcctc atcttgggaa attctatggc attctcaatg 360

gaattgatcc ggatatatgg gatccgtaca atgacaactt tatcccggtc cactacactt 420

gtgagaatgt ggttgaaggc aagagggctg ctaagagggc actgcagcag aagtttgggt 480

tacagcaaatt cgatgtcccc gtcgtaggaa tcgtcactcg 520

<210> 11614

<211> 547

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-C6

<400> 11614

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tattttgctt ctttatgtct cttggctctt ctgcaagtgc tgctaccgca accattttcc 120

cacaatgtct acaagctcct atagcttcct ttcttcccc atacctctca ccagcgggtg 180

cttcagtatg tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagcag 240

gcattcttacc tttatcacc ttgttcctcc aacaaccgtc agccctatta cagcagttac 300

ctttggtgca tttgttggca caaaacatca aggcaaca actacaacaa cttgtgctag 360

gaaaccttgc tgctactct cagcaacagc agtttcttcc attcaaccaa ctggctgcat 420

tgaactctgc tgcttatttg caacaacaac taccattcag tcagctagct gctgcctacc 480

cccaacaatt tcttccattt caccaacctg cagcattgaa ctctgctgct tatttacaac 540

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<210> 11615

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C7

<400> 11615

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cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaatgata 180
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tcattggtac aaaccatcag ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac 360
caagtagctc tggcaaacct ttctccctac tctcagcaac aacaattgct accatttagc 420
caacatgctt tgacgaatcc taccacctta ttgcaaccgc ccaccattgg tgggtgccatc 480
ttctagattt tttatgattt atactgcaat aataaaagtc tcatgctgat at 532

<210> 11616

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C8

<400> 11616

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aggtctcttg aattgttttt acaagattta attgaccgta cttatgaaat tactcttcaa 180
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tttgatttcc taactgaagt tgtcagcaag gtaccagatc ttggtggcgc tgattcctgt 300
ggagatgaaa gaggattacc tagaagaaaa aagtcaaag gcagtgacct agaaaatgat 360
gaatcaagat ctagtaaaat ggccataaga aatgcaaaca tcacccccag aggacgttgg 420
aggggtccag gcataagacc aggtcgg 447

<210> 11617
 <211> 585
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-D1

 <400> 11617

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tcccacaatg ctcacaagct cctatagctt cctttcttcc cccatacctc tcaccagcgg 180
tgtcttcagt atgtgaaaac ccaattcttc aaccctacag gatccaacag gcaatcgcag 240
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cattgaactc tgctgcttat ttgcaacaac aactaccatt cagtcagcta gctgctgcct 480
acccccagca atttcttcca ttcaaccaac tggcagcatt gaactctgct gcttatttac 540
aacagncaca gctaccacca ttcagccagc tagctgatgt gagcc 585
  
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<210> 11618
 <211> 231
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D10

<400> 11618

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tggtgccttt tgtccaactt gctttgacaa acccagcagc ctcctaccaa caacacatca 120
ttggtggtgc cctcttttag attgattatt agttgtaatt caataataaa gttttttgga 180
tgaggtctgt ggccaaccag aaataagaag ttacatttcc agattctaaa a 231
  
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<210> 11619
 <211> 393
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D11

<400> 11619

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cgtcgtcgtc gttttcggtc ccatcgtcac aagtccagta ccaaactgtc cagcgcgacg 180
tcgacaggca caactgtctg gccatggagg tgaggcacag cgtcgaacgg ctggaccagg 240
ccgacgtcta cagccctggg gctggggagga tcacacgcct caccagccac aagttccccg 300
tcctcaacct tgtacagatg agcgcgggtg ggtagacct gtgccaggac gccatcatgt 360
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<210> 11620

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D12

<400> 11620

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ttgaaactgg tgagaccgta gctataaaaa gggtcttcaa gacaagagat acaagaatcg 180
tgagctgcaa accatgcgag tgcttgacca cccaaatgtg gtggctctaa agcactgttt 240
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gactgctcat cgtgtcatca aacattacaa caagatgaac cagcgcacgc ctttgattta 360
tgcaaaactg tatatgtatc agattttag agccttggca tacattcaca acagcattgg 420
agtgtgccac aaggacatta agccgcaaaa tctcctggtt aatcctcata cccatcagct 480
aaaattgtgt gactttggca gcgcgaaaag ttttgtaaaa ggcgaaccaa acatttttta 540
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<210> 11621

<211> 569

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-D2

<400> 11621

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atggggctgg tacatgcatt ttcctttggt ccattattga gaagtagcat gtcacatttc 180
attttataag tgccatgagg aatttaaagg actgtgtaat tcttttcact agcagctaca 240
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ccgtgatatt tgtattctga catctctttg tctctttctg ttagacctag ccaaccttgt 420
aaacattgca gcaataaagg ctgcgggtga aggtgcggac aaattgaatg ctgttcagtt 480
ggagtttgcc aaagatcgta ttatcatggg aaccgagagg agatcaatgt tcatatctga 540
tgaatcgaga aagcttactg cctaccatg 569

<210> 11622

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D3

<400> 11622

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tcgttgccct tgctctcctg gcgctcgctg cgagcgccgc ctccagtaca agcggcggct 120
gtggctgcca gacaccaccg tttcatctac cgctccggtt ctatatgccg cctccgttct 180
atctgccgcc gcagcagcag ccgcagccat ggcaataccc cactcaacca ccgcagctaa 240
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gggtaccaggc gacatacggg gtggctcctg agtccttctt gcagcagcag ccgcagggcg 480
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agctgcagca gccagggtccc tgcccttgca acgcagctgc cggcgggtgtc tacta 595

<210> 11623

<211> 635

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D4

<400> 11623

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tggaggggta ttggataacg ctccattttc tataagtcag gttaaaagat tacattgtgc 180
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ttctcttcat tttattgatt tcctttcaaa ttgcatccca tcggttgatt cttgatttgt 360
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atctgttttg tccatatgtc cgagtgaatc ttcttttatt tagcaaggta actatgttct 600
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<210> 11624

<211> 509

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-D5

<400> 11624

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ggtgcgggag gagctggtgg cggcgggcag ccggacgccg tcgccaaga cgaaggcgtc 180
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ccacggccac ctgcctact cccacaccaa ccaggcgctc ctccgcccc ggtcgttcgc 300
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ccagcagcac gggctgtcaa gcaagggcgc caacgaggtg ctctctgtca tcgaggccta 420
caagacgctg cgcgaccgcg cgccctaccc ggncagcttt atgctcgccc agctcaccgg 480
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<210> 11625

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-D6

<400> 11625

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gtcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag 180
tatgtgaaaa cccagctctt cagccctata ggctccaaca agcaatcgca gcaagcaaca 240
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tacaaaccat cagggcacag cagctgcagc aactcgtgct acctgtgatc aaccaagtag 360
ctctggcaaa cttttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt 420
ctacactgaa ccctgctgct tatttgcagc aacaactatt accattcagc cagctagcta 480
ctgcctactc tcagcaacaa caacttcttc catttaacca attggccgca ctgaaccccg 540
ctgcttattt gcagcagcaa atactactac catttagcca gctagctgca gcaaaccgtg 600
c 601

<210> 11626

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D7

<400> 11626

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gcgcgctccac cgggtggactc gtcgacacca tcatcgaagg caagaccggg ttccacatgg 240
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<210> 11627
<211> 533
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-D9
<400> 11627

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gtatacactg aacctgctg cttattttaca acaacaacaa ctactacat tcatccagct 480
agctactgcc tactctcaac agcaacaatt ttcttccatt taaccaatt ggc 533

<210> 11628
<211> 632
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E1

<400> 11628

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cacaacaaca tcatccacaa aaacaacaac atcaaccacc accacaacat caccagcagc 240
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aacaacaatt ccagggtcat gacaagcagc aacaaccaca acagcctcag caatatcagc 540
agggccaggg aaaaatcaca acagcaacaa tgtcattgcc aggagcagca acagactaca 600
aggtgcagct ataactacta tagcagtagc tc 632

<210> 11629

<211> 121

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E10

<400> 11629

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g 121

<210> 11630

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E11

<400> 11630

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aatgaaatc acaaggaac 559

<210> 11631
<211> 564
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-121-Q6-K6-E12
<400> 11631

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aacctgctg cttatttgca gcaacaacta ttaccattta gccagctagc tactgcctac 480
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ttgcagcagc aaatactact acca 564

<210> 11632
<211> 247
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E2

<400> 11632

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agctgcagga ggagatgaac gacgctgccg gggcgggcct caggctgcct ccaggggttc 180
cgcttccacc cgagcgactt cgagattgtc agcttctacc tcaccaacaa ggtgctcaac 240
acgcgct 247

<210> 11633

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-E3

<400> 11633

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ccatttttcc tcaataactca caagctccta tagctgcctt tcttccccca taccttccat 180
caatgaccgc tttagtagt gaaaaccag cccttcaacc ctacaggatc cagcaagcaa 240
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cattcaacca actgtctata ctgaaccctg ctgcttattt gcagcaacaa caactactac 480
cattcagcca gctagctact gcctactctc agcagcaaca atttcttcca tttaaccaat 540
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<210> 11634

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-E4

<400> 11634

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ctgttgggtg ggggtggctga cgcccaggta ccaagtgtca cgaccacact gggaatgagc 180
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gctaactacta ctaggtgaga tacagagggtg gatgaggaag tgacaaagat gagatgagat 360
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gccatgtatt atttatggct cgtcgcgng tgctttgtgt tttttgtgt gttgggtaaa 540
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<210> 11635

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E5

<400> 11635

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tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat tatagcttca 180
atatgtgaaa acccagctct tcaaccatat aggcttcaac aagcaatcgc agcaagcaac 240
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tctacactga acctgctgc ttatttgcag caacaactat taccatttag ccagctagct 480
actgcctact ctgagcaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540

gctgcttatt tgcagcagca aataactacta ccatttagcc agctagctgc

590

<210> 11636

<211> 386

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-E6

<400> 11636

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gatttgccctg gtcaccggct cctcccgctc tgccatctcg ctactgccta ctgtcagcgg 180
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<210> 11637

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E7

<400> 11637

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aggacggcga caccacctc ctcggcgaca accccaggtg gctcggcttc ggcggcaggt 420
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<210> 11638
 <211> 576
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-E8

 <400> 11638

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<210> 11639
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 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11639

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ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgcctgc 360
  
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tatttgcaac aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt 480
cttccattca accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta 540
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<210> 11640

<211> 514

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F11

<400> 11640

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aaagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaaag 180
ggggggggcc gcttctatag gagacaaaat ttacgcgcg cgtgtgtgag attatatatt 240
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gagtgcacg ccctctagag gggcataaaa cgcggggggt gtgggggtta cacgcacagt 480
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<210> 11641

<211> 556

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F12

<400> 11641

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tccctactat cagcaacaac aatttcttcc attcaaccaa ctatctacac tgaaccctgc 180
tgcttatttg cagcaacaac tattaccatt cagccagcta gctactgcct actctcatca 240

acaacaactt cttccattta accaattggc cgcactgaac ctcgctgctt atttgcagca 300
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acaacaattg ttgccctttg tccaacttgc tttgacaaac ccagcagcct cctaccaaca 480
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<210> 11642
<211> 638
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-F2
<400> 11642

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<210> 11643
<211> 170
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-121-Q6-K6-F3

<400> 11643

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<210> 11644

<211> 187

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F4

<400> 11644

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acacaacatt tgaaccgatg atggttgatc tgaactcaga ggagttaact agagaattgc 180
cacatgc 187

<210> 11645

<211> 494

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F5

<400> 11645

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gcctcagtgc cagtcgttgc ggcagcagtg ttgccagcag ctcaggcagg tggagccgca 180
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cggcctgcag cagccgactc catgccccta cgctgctgcc ggcgggtgtcc cccactgaag 360
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<210> 11646
<211> 574
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-F6

<400> 11646

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ccaaggcccc tgttggtgtt gatcccaagt caatattgtg tgagttcttc aaggctggcc 480
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<210> 11647
<211> 547
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F7

<400> 11647

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tgccctttgt ccaacttgct ttgacaaacc cagcagcctt ctaccaacaa cacatcattg 480
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<210> 11648
<211> 605
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-G1

<400> 11648

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acaatgctca caagctccta tagcttccct tcttccccca tacctctcac cagcggtgtc 180
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aaaccttgct gcctactctc agcaacagca gtttcttcca ttcaaccaac tggctgcatt 420
gaactctgct gcttatttgc aacaacaact accattcagt cagctagctg ctgcctaccc 480
ccagcaattt cttccattca accaactggc agcattgaac tctgctgctt atttacaaca 540
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acaac 605

<210> 11649
<211> 604
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G10

<400> 11649

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tgctgttgca tctgatgtga atatgcagga gcctaaaagc gctgataccg ctgaggctgc 180
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 caaggaaggt ttgattgcta agcttcagga ggttgaagac tggctctatg aagatggcga 540
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<210> 11650
 <211> 522
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G11

<400> 11650

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<210> 11651
 <211> 540
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G12

<400> 11651

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gataggaatg agacagattg gaggcgacaa gatggagacg atgtggaact cacaattcta 180
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<210> 11652

<211> 586

<212> DNA

<213> Zea mays

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<400> 11652

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<210> 11653

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G3

<400> 11653

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<210> 11654

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G4

<400> 11654

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<210> 11655
<211> 653
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G5

<400> 11655

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acagagccat gagcaacaac atcaacaaca attccagggt catgacaagc agcaacaacc 540
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<210> 11656
<211> 547
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G6

<400> 11656

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<210> 11657

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G7

<400> 11657

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 aatgctcact tgctcctagt gccattattc cacagttcct cccaccagtt acttcaatgg 180
 gcttcgaaca cctagctgtg caagccaaca tgcaacaaca agcgcttgcg gcgagcgtct 240
 tacaacaacc aattgcccac ttgcaacaac aatccttgcc acatctaaca atacaagcca 300
 tcacaacgca acagcaacaa cagttcctac cagcactgag ccacctagcc atggtgaacc 360
 ctgccgcta cttgcaagag cagctgcttg catccaaccc acttgctctg gcgaacgtag 420
 ttgcaaacca gcaacaacaa cagctacaac agtttctgcc aacgctcagt caactagcca 480
 tgggtgaacc tgccgcttac gtacaacaac aacaactgct ttcattctagc ccgctcgtg 540
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<210> 11658

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G8

<400> 11658

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 cgccgtgggc aagttcaacg cggcgctggc gcaccacatc atggccggcg ccgacgtgct 120
 cgccgtcacc agccgcttcg agccctgcgg cctcatccag ctgcagggga tgcgatacgg 180

aacgccctgc gcctgcgcgt ccaccggtgg actcgtcgac accatcatcg aaggcaagac 240
 cgggttccac atgggccgcc tcagcgtcga ctgtaacgtc gtggagccgg cggacgtcaa 300
 gaagggtggc accacattgc agcgcgccat caagggtggtc ggcacgccgg cgtacgagga 360
 gatggtgagg aactgcatga tccaggatct ctctggaag ggccttgcca agaactggga 420
 gaacgtgctg ctacgcctcg gggtcgccgg cggcgagcca ggggtcgaag gcga 474

<210> 11659
 <211> 583
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-G9

<400> 11659

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 caatgctcac ttgctcctag tgccattatt ccacagttcc tccctccagt tacttcaatg 180
 ggcttcgaac acccagctgt gcaagcctac aggttacaac aagcgcttgc ggcgagcgtc 240
 ttacaacaac caattgcccc attacaacaa caatccttgg cacatctaac catacaaacc 300
 atcgcaacgc aacagcaaca acaatttcta ccagcactga gccaaactagc tgtggtgaac 360
 cctgtcgect acttgcaaca gcagttgctt gcatccaacc cacttgctct ggcaaacata 420
 gttgcatacc aacaacaaca acaattgcaa cagtttctac cagcgctcag tcaactagcc 480
 atggtgaacc ctgccgncta cctacaacag caacaactga tttcatctag cctctcgtct 540
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<210> 11660
 <211> 564
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-H1

<400> 11660

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ggtctttctg caagtgttgc taccgcaacc attttcccac aatgctcaca agctcctata 120
 gcttcccttc ttccccata cctctcacca ggggtgtctt caatgtgtga aacccaatt 180
 gttcaaccct acaggatcca acaggcaatc gcaacaggca tcttaccatt atcacccttg 240
 ttctccaac aaccgtcagc cctattacag cagttacctt tgggtccattt ggtggcacia 300
 aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc atactctcag 360
 caacatcagt ttcttccatt caaccaactg gctgcattga actctgctgc ttatttgcaa 420
 caacaattac cattcagcca gctagttgct gctaccccc agcaatttct tccattcaac 480
 caactagcag cattgaactc tgctgcttat ttacagcagc aacaactact accattcagc 540
 cagctagctg atgtgagccc tgct 564

<210> 11661
 <211> 638
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-121-Q6-K6-H10
 <400> 11661

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 atgctcactt gctcctagtg ccattatacc acagttcctc cgaccagtta cttcaatggg 180
 cttcgaacac ctagctgtgc aagcctacag gctacaacaa gcgcttgagg cgagcgtctt 240
 acaacaacca attaaccaat tgcaacaaca atccttggca catctaacca tacaaccat 300
 cgcaacacaa cagcaacaac agttcctacc agcactgagc caactagatg tgggtgaacc 360
 tgtegcctac ttgcaacagc aggtgcttgc atccaaccca cttgctctgg caaacgtagc 420
 tgcataccaa caacaacaac aattgcaaca gtttctgccg gcgctcagtc aactagccat 480
 ggtgaaccct gccgcctacc tacaacagca acaactgctt tcatctagcc ctctcgttgt 540
 gggtaatgca cctacatacc tgcaacaaca attgctgcaa cagattgtac cagctctgac 600
 tcagctagct gtggcaaacc ctgctgccta cttgcaac 638

<210> 11662
 <211> 627
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-121-Q6-K6-H11
 <400> 11662

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taccgaacgt tcgacaccaa ccgcgcggcg ctggttgggc tgtaccagga gacctccatg 180
ctcaccttcg agggccagaa gttccagggc cctccgcca ttgccggcaa gtcgggatct 240
ctccctttcc aggcctgcga gcatcagatc gtcaccgtag actgccagcc atcggggtccc 300
cagggaggca tgctcgtctt cgtctccggt tccatacgca ccggccccga ggagcacccc 360
atcaagttct cccaggcatt ccatttgctg ccggccgctg ggtccttctt cgtgcagaat 420
gacatgttcc gcctgaacta tggctaaaga cacccgatac tcttgatgatg aaggaattga 480
ttaagggttt catgttgaaa cgatgaatac ttaatgttgc cgctactctg ggctcttttg 540
tatcttcttt ggtggctgct tcaactgtatt acaagggtt gctagacttg gattatttca 600
gttgttttga atcatgtact ggggtgca 627
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<210> 11663
 <211> 562
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-H12

<400> 11663

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acaecgagtt taaccatgag caagctttgt ttaattatta cagtctacga gtacttattc 120
aggcagatca ctctgagggt gtgcctactg ttgggcgctg ccagcttgac cttgttggtg 180
gctgccactg ccagcaggag taagcacagc cagctcatgc ttctaccgt tcttgagctc 240
tgcagcttcc tccatggaga tggcatacga gctggcgatg acggcggccg gcaagtcgct 300
caggacggag ttcttcccg cgacgtggct gaccatggtg tcagggttcg tctcgaaggc 360
gatgtactgg aagccttctc cctgcgcctt ggtggcgacg aggtagccct ggggtacgat 420
gagcagctgc cccgcacgga gcacgtcgnc gaacaccgtg gtcccgttgt cgctggcgac 480
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ctggaccctt gcaactgcccc tgatgcccgt acatggcgcg tgtgggcgtt tgaagttcca 540
gaacggggac atgatgggcg tc 562

<210> 11664

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H2

<400> 11664

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gaccaggccg acgtctacag ccctggggct gggaggatca cagcctcac cagccacaag 120
ttccccgtcc tcaacctcgt acagatgagc gcggtgcggg tagacctgta ccaggacgcc 180
atcatgtcgc cgttctggaa cttcaacgcc cacagcgcca tgtacggcat caggggcagt 240
gcaagggctc aggtcgccag cgacaacggg accacgggtg tcgacgacgt gctccgtgcg 300
gggcagctgc tcatcgtacc ccagggtac ctcgtcgcca ccaaggcgca gggagaaggc 360
ttccagtaca tcgccttcga gacgaaccct gacaccatgg tcagccacgt cgccgggaag 420
aactccgtcc tgagcgactt gccggccgcc gtcacgcca gctcgtatgc catctccatg 480
gaggaagctg cagagctcaa gaacggtagg aagcatgagc tggctgtgct tactcctgct 540
ggcagtgga gttaccaaca 560

<210> 11665

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H3

<400> 11665

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ctgaaccccg ctgcttattt gcagcagcaa atactactgc catttagcga gctagctgca 120
gcaagtctgt cttccttctt gacacagcaa cagttgctgc ctttctacaa gcagtttgcg 180
gctaaccccg caacctctt acaactacaa caattgttgc ctttgtcca acttgctttg 240
acaaaccag cagcctccta ccaacaacac atcattggtg gtgccctctt ttagattgat 300

tattagttgt aattcaataa taaagttttt tggatgatgt atgtggccaa ccagaaataa 360
gaagttacat ttccagattc taatgtg 387

<210> 11666
<211> 504
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-H4

<400> 11666

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atcgccgtcc tctcgtctt gcgcaccgcc gatgggctgc cggaggcggg aggaggagga 180
ggaggcggcg gtctgtaccg ggagattctc agggacgaga ccgtgcagag gctcaaggag 240
ctgggcaaga tatctgatgg ggatggctac cttgaaagga cgtttctgag tccggcctct 300
atcagagcca ctggtgtcat cgtcagctgg atgaaagacg ctgggcttac gacgtgggctc 360
gatcagatgg ggaatattca tggctgatat gagccggcaa attctaccag agatgccttg 420
ttgattggat ctcatatgga cactgtcgtt gatgctggga tgtacgatgg agccttgngt 480
attatttttag caatctcagc actg 504

<210> 11667
<211> 551
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-H6

<400> 11667

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ttacacagtt cctcccacca gttacttcaa tgggcttcga acaccagct gtgcaagcct 180
ataggctaca acaagcaatt gcggcgagcg tcttacaaca accaatttcc cagttgcaac 240
aacaatcctt ggcacatcta acaatacaaa ccatcgcaac gcaacagcaa caacaattcc 300

taccagcact gagccaccta gccatggtga accctgccgc ctacttgcaa cagcagttgc 360
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 aacagtttct gccagcgctc agtcaactag ccatggtgaa ccctgccgcc tacctacaac 480
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<210> 11668
 <211> 577
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H7

<400> 11668

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 ccctcaatgc tcacaagctc ctatagcttc ccttcttccc ccataccttc catcaatgat 180
 agcttcagta tgtgaaaacc cagctcttca accctatagg ctccaacaag caatcgcagc 240
 aagcaacata cttttatcac ctttgtttca acaatcgcca gccctatctt tgggtgcagtc 300
 attggtacaa accatcaagg cacagcagct gcagcaactc gtgctacctg tgatcaacca 360
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 actatctaca ctgaaccttg ctgcttattt gcagcaacaa ctattaccat tcagccagct 480
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<210> 11669
 <211> 521
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H8

<400> 11669

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gccatcagtt gcccaaatat tcaagggtcca tagtgaagcc ttctttcggg ataatgagag 180
tagtgtcttg agagatttgt cctccatgcg acgattagtt gttgccaccg gaggtggtgc 240
tggtatccga ccaattaact ggagatatat gaagaggggc ctatctgttt ggtagatgt 300
gcccttggtat gctcttgcta ggcgatttgc taaagtggga actgcctctc gtcctcttct 360
ggaccaacca tctggtgatc cgtacgcaat ggccttttct aagctcagca tgcttgaca 420
gcaaaggggt gatgcttatg caaatgcaga tgtaaggggt tctctggaag agattgcatg 480
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<210> 11670

<211> 593

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H9

<400> 11670

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tcattattcc acagtgtcct cttgctccta gtgccagtat tccacagttc ctcccaccag 180
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tagccgtggg gaaccctgtc acctacttgc aacagcagct gcttgcatcc aaccacttg 420
ctctggcgaa cgtagctgca taccagcaac aacaacagct gcaacagttt atgccagtgc 480
tcagtcaact agccatgggtg aaccctgccg tctacctaca actactttca tctagcccgc 540
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<210> 11671

<211> 686

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-A1

<400> 11671

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aggacctgca aaaggaccct ccaacgtcat gcagtgcctg tctgctggg gaggatatgt 180
tccactggca ggcaaccatc atgggtcctc ctgatagtcc atatgctgga ggtgttttct 240
tagtgaacat tcatttcccc ccggactacc ctttcaagcc tccaaaggta tcttttaaga 300
cgaaggtctt ccattccaaac atcaatagta atggaagcat atgtctcgac attcttaagg 360
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ggcctaagta cgaggcaaca gcccgagct ggaccagaa atatgccatg ggatgaaaat 540
gaaatgaagt cgaaactcca tattcggcat tactgcttaa atgcagacga ttgtgggtgt 600
gccccatgaa actntntgtg gngacgtatg ttcttccatt ccttgctgcc cgtatgcatt 660
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<210> 11672

<211> 684

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-A10

<400> 11672

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agctcctata gcttcccttc tcccccata ccttccatca attatagctt caatatgtga 180
aaaccagct cttcaaccat ataggcttca acaagcaatc gcagcaagca acataccttt 240
atcgcccttg ttgtttcaac aatcgccagc cctatctttg gtgcagtcac tggtaaaaac 300
catcagggca caacagctgc agcaactcgt gctacctctg atcaaccaag tagctctggc 360
aaacctttct ccctactctc agcaacaaca atttcttcca ttcaaccaac tgtctacact 420
gaaccctgct gcttatttgc agcaacaact attaccattt agccagctag ctactgccta 480
ctctcagcaa caacaacttc ttccatttaa ccaattggcc gcactgaacc ccgctgctta 540

tttgcagcag caaatactac taccatttag ccagctagct gcagcaaacc gtgcttcctt 600
 cttgcacagc acagttgctg ccttttacca gcagtttgcg gctaaccgca caacctctta 660
 cactacaaca attgttgccc ttg 684

<210> 11673
 <211> 723
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-A11

<400> 11673

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 atgcgcggag cgtggtagcc ggattctatc gccgtcgctt ccccttcgcc gctattttcc 180
 agtcgccggg atcagccgag ttggatctcg aggcataaag cgttgccggc gcccgccgag 240
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 tccggagact cctccttccc ctgttcccat cgtctcaagc atcgtttttag tagtagtaat 360
 tttagtagta gtaattgtca ttaacctttg cgttccctcc gtcgcgcacg ctctcggct 420
 cggctctcac cttcgcattt cggtttttgt ctggttgtgc tcgatccgag gcttactttg 480
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 gaaacaaggt ggtcattatc acctacaaga taagagaaat ttctctttgt aatttgngat 600
 caagcttgtg gattggacga accctcgtgg acttcagtgc tgaaagtgtt agcagcagat 660
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 aag 723

<210> 11674
 <211> 642
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-A12

<400> 11674

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 gcacaaaagc tccgggatac accctcgccg tctgtaccac aagggcgggt cccagcccga 240
 ccagcatggt gaacatgggg ccagcgaagc agccggcgac ggcgatcgta ggctgcccag 300
 ccctggccag cgccacgtcc ggcacgaggt cggccacgga gttccccac gccaggaccg 360
 tcatgccgag aatggcggga gggaagtcca tgatggctcc gaccgcggcg aggcagctca 420
 ggagctctcc ggccgtggtc gagatccaga agacgctcat gatgaaggag atgatgggtgc 480
 tcgcatgggt ctctgtttcg ggggcttctt tctcgaggag gtagtgggag agggctaggc 540
 acaggctggc gaagagcacg acggaccata gaggggaagcg gacttgccggg aggaggaatc 600
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<210> 11675

<211> 697

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-A2

<400> 11675

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 tcacttcttg acgctgttca agctgctgca aatgctgcac tggctgcaga aaagagagaa 180
 aaggagaagg caaaagagat taaattggcc tcaaaaaata gtctcatagc taataagaag 240
 aagatgagca atgtcctagc tatgtggaag caaaggaatc aagaagggca ggccgcacga 300
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 ggaactggat tctctttgaa aagcaagcca aattctgacc ttgaaaatgc tatgggcaat 420
 tctcttggcc aaggaatgac atcgactcaa acattggatt ctgttgtaaa gcctagacct 480
 gtcagtaaca gcttagggac tacagttatg ggtgtcataa gaggttctgc tagaggagtg 540
 atcaagtcag atactacgtt tcacgcatta tctgatgctg gtagcactga ttcccgacc 600
 actataacca caagagcaag tgggttaatg acaagttctg aggcacttat aactnctgca 660

cccttaaaac tgatgtgtct gccttagtct ctatact

697

<210> 11676

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-A3

<400> 11676

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ccnancgcn acnngcaaca acagcngcnn gcanccaacc cacnngcnnn ggcaaacgna 120

gcngcanacc aacaacaaca acagnngcaa cagnnnncngc cagcgcncag ncaachnagcc 180

angngnaacc ctatcgcta cctacaacag caacaacttc tttcatctag cccgctcgct 240

atgggcaatg cacctacata cctgcaacaa cagttgttgc aacaacagtt gctgcaacaa 300

attgtaccag ctcttactca gctagctgtg gcaaaccctg ctgcctactt gcaacaacta 360

cttccattca accaactgac tgtgtcgaac tctgtcgcgt acctacaaca gcgacaacag 420

ttacttaatc cactagcggg ggctaaccga ttggtcgctg ccttcctaca gcagcaacaa 480

ttgtgcat acaaccagtt ctctttgatg aaccctgcct tgtcgtggca gcaaccatc 540

gttggtggtg ccatctttta gattacatat gagatgtact cgataatggt gccctcatag 600

cggcatgtgt ttcttaaaaa taataaatat tgattgagat ttatctcgat ataa 654

<210> 11677

<211> 663

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-A5

<400> 11677

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ccaaatagca aatttaagtg tatagtatgt atttatatat gcttgcctc ataaatatat 180

aaagaaaaaa agaaacgacc ctcaaaacta atatagtata gtaatgtttc gtttcagtta 240

tagtatccgg attaatgctc taatattatc acacaaattg aggtgataaa ccaaggagat 300

agatgaaaac acatgcatgt gtatatacta tttcttattc tcttaattcc aacttattat 360
 aaattatcct gacttttctgc attgggttttg ctttattaat ataatatgta tctagatata 420
 atctatatgt tagacataat gtatatatat ctactaggtt tgtatagcaa aagcaattat 480
 ctagaatagc tatcacgact tataatttga aaatggaagg agtggtacat atataacttc 540
 ttcacttttg ttttactcaa gcttttctaag gagtttagggc agcactaaga attatgtgaa 600
 atatatattg cttcattcgt cctaaataca tggatatatat taaaagttca aattttcgcc 660
 cta 663

<210> 11678
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-A6
 <400> 11678

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 tacccccagc aatttcttcc attcaaccaa ctggcagcat tgaactctcc tgcttattta 120
 cagcggcaac aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg 180
 atacaaccac agttggtgcc gttctaccag cacgctgcgc ctaacgctgg caccctctta 240
 caactgcaac aattgctgcc attcaaccaa cttgctttga caaaccagc agcgttctac 300
 caacaacca tcattggtgg tgccctctgt gagatttctt atgagttata gttcaataat 360
 aaagttgctt gtctg 375

<210> 11679
 <211> 624
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-079-01-K6-A7
 <400> 11679

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 aacccaaata cggaatcttc cccgtggatc ccaactctca cccgatctcc tcgataggtt 120

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tttccgtttt tgcctccaag gccgcgtctt ccaacaagat tcctcccctc ctctctccga 180
taacgctagc atccgccgcc gccggcgacg aatccggtgt tttgagtttc tgttgccagt 240
gcagccatgt ccatgttcaa caggatcttc ggggaagccca aggagcaggc caactccagt 300
gccttggcca ctctcgacaa gttaaagtga actcttgata tgctggagaa gaaagagaag 360
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aataaaagag cggctatcca atccttgaag agggaaaaaac tttatgaaca acaaattgag 480
caactcggaa attttcagtt gagaattcat gatcagatga tcatgttaga agcagctaaa 540
gctacaacag agactgttga tgcgttgaga actggagctg cagctatgaa agcaatgcaa 600
aaagcaacaa acattgatga tgtc 624

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<210>      11680
<211>      623
<212>      DNA
<213>      Zea mays

<223>      unsure at all n locations
<223>      Clone ID: LIB3061-079-01-K6-A8

<400>      11680

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actatttgat tgggaacttt ntagggatcat atccctgttt tgttcccatg ccttgaaatt 180
gatggtncct catttttgtt ggggtgtgtga cacaaagtca taaaccgcga tgggaggggtg 240
ctttaagttg tgcgagcatg attgtcgggt ctttgaattt cttcttccaa atgtncgtct 300
tcacgccac cgcgaggagg tggtgaccga agagatagtg gcaaaggcgt cccttggtgg 360
ctctgctcct atctcgcgga ttgggctgac atgttactaa ggatgtatgt aagatgggga 420
gagaagcagc gttataagac acgagtagtt gagaaatcac ctggtgaaca ggccggtgta 480
aatcagcaa ctgttgaact agaggggaga tatgcttatg gctatctctc tggcgagaaa 540
gggacacaca ggattgttcg tcaatcacca tttaatgcta aagggtctcg gcagacaagc 600
tctgctcgtg ttgaggttat gcc 623

```

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<210>      11681
<211>      689

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<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-A9

<400> 11681

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gcctccttat gtccttgggt ctttctgcaa gtgctgctac ggcgaccatt ttcccgaat 120
gctcgcaagc tcctatagct tcccttcttc ccccgtagct ctcaccagcg gtgtcttcgg 180
tatgtgaaaa cccaattctt caaccctaca ggatccaaca ggcaatcaca gctggcatct 240
tacctttatc acccttggtc ctccaacaat catcagccct attacatcag ttacctttgg 300
tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc 360
ttgctgcta ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact 420
ctgcttctta tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc 480
agcaatttct tccattcaac caactggcag cattgaactc tcctgcttat ttacagcagc 540
aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac 600
cacagttgtt gccgttctac cagcacgctg cgctaacaag ctgcaccctc ttacactgca 660
acattgctgc cattcaccaa cttgctttg 689

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<210> 11682
 <211> 626
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-B1

<400> 11682

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ctgngcgaag ggaaagaaga gacgngggga gaggagggcg acatggagag gccggcaccg 120
gtgaggaagt ctcacacgtc gacggcggac ctgctgatct ggccggaggg ggcgccgag 180
gagtcgcccc ccggggccac gccgccatcc aaccgccggc cgcatcagcc gtcggaggcg 240
ctcaggaagg tgggtgttcgg cgggcaggtg acggaggagg aggccgagag cctcaacaag 300
aggaaaccat gctctgctcc caagtggaag gagatgacag gaagcggcat atttgctgct 360

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gggggcgagg ctgaagaaga tgaatctgcc aatgcctctg caactcccat ccgaaccgct 420
 ccaaagaatt atcaggcaat tagcactata agccacatct cattttccga ggaagaaagc 480
 atttctccga agaagccgac ttcgatagca gaggtggcga agcagcgca gctgagcggc 540
 acacttctga gcgagnacga cagcaagatg aagaagcaga tatcggacct gaaatccaag 600
 nagctgnagc gccacgacat ctttgc 626

<210> 11683

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B10

<400> 11683

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 gctgcacgca agttcttttt cttctgtgat ccacacagac gggggaaagc atgcataaag 180
 aaagtgttgc tgagcaattg tcttcaggag ctaatggaac tacatcagga gagtgaggaa 240
 gaggtaaccg ataccgagca ggcagaaaac tggttttcct taacttcagc tcagcgcata 300
 tgtgacatgt ttcttgact agataaggat acgaacggta cactgagcaa acaagagctc 360
 aaggaatatg cagatggcac gttgactgag attttcattg aaagagtttt cgatgagcat 420
 gttcgccgga gcaaagtgg aggtggaaac agtcgtgaga tggactttga aagctttctt 480
 gattttgttt tggctctaga aaacaaagat acccctgaag gcttgacata tttatttagg 540
 tgccttgatc tcaatggaag gggtttcctt acaactgcag atattcatac tctattt 597

<210> 11684

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-B11

<400> 11684

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caaggaacat ggcccgacg cagcagttgg cagtagtggc gaccgccgtg gtggccttgg 120
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 ccatcgcgcc ctgcatctcc tacgcgcgcg gccagggctc ggggccctcc gccggctgct 240
 gcagcggcgt caggagcctc aacaacgcg cccgcaccac cgccgaccgc cgcgcgcct 300
 gcaactgcct caagaacgcc gccgcggcg tcagcggcct caacgccggc aacgccgcca 360
 gcatccctc caagtgcggc gtcagcatcc cctacaccat cagcacctcc accgactgct 420
 ccaggtgaa ctgaacccta aacgacgacg acgggcgacg gcggccacct gaagacgatc 480
 catatctatc ccgccgtacg tcggcgcccg cggatcggac cgtcatgacc atatctagct 540
 acctacgat gatcgtcagc acttgcattgt ctactactgc tacgtgtact actactgaat 600
 aaaaaccctc tccgcgcacg tcgtccttgt gtttgtgtgt gtgttg 646

<210> 11685

<211> 556

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B3

<400> 11685

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 gcggggcggg gcgcccggg ngccgccgcg gcggcgggcg agcccgaccg gccgcgccg 180
 cggcgccgcg gactccagcg agggcaccta cagggccggc acagggggcc agacgcgcac 240
 cgctggggca tggggngggac ttggcgggca cgtccggaag ctcgatcttg gcgacgtga 300
 atacgtcaag gaagtttctg aaacgtacgg cgcattcgaa agtgcgacta cccttacctc 360
 gtacaggatt gtcaccagca ccgccagagc ttggggggcca tggggcatca agagcggcac 420
 acgtttctgc atgaccgcgc ccatcggcag cagcatcgtg gaattctatg gacgcgcgaa 480
 gaccaggctc gacactgcga tcggtgtcta tctgcgcca ctttaactg gttacaccaa 540
 gcagaacggg tactac 556

<210> 11686

<211> 735

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-B4

<400> 11686

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acgacctaac accaatggct accaagatat tagccctcct tgcgcttctt gcccttttag 120
tgagcgcaac aaatgcgttc attattccac agtgctcact tgctcctagt gccattattc 180
cacagttcct cccaccagtt acttcaatgg gcttcgaaca tccagccgtg caagcctaca 240
ggctacaact agcgcttgcg gcgagcgctt tacaacaacc aattgcccaa ttgcaacaac 300
aatccttggc acatctaacc ctacaaacca ttgcaacgca acaacaacaa caacaacagt 360
ttctgccatc actgagccac ctagccgtgg tgaaccctgt cacctacttg caacagcagc 420
tgcttgcatc caaccactt gctctggcga acgtagctgc ataccagcaa caacaacagc 480
tgcaacagtt tatgccagt ctcagtcaac tagccatggt gaaccctgcc gtctacctac 540
aactactttc atctagcccg ctgcggtgg gcaatgcacc tacgtacctt caacaacagt 600
tgctgcaaca aattgtacca gctctgactc agctagctgt ggcaaaccct gctgcctact 660
tacaacagtt gtttccattc aaccaactgg ctgtgtcaaa ctctgctgcg tacctacaca 720
gcgacacagt tactt 735
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<210> 11687
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-B5

<400> 11687

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tatttgagc aacaactatt accatttagc cagctagcta ctgcctactc tcagcaacaa 180
caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt gcagcagcaa 240
atactactgc catttagcga gctagctgca gcaagtcgtg cttccttctt gacacagcaa 300
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cagttgctgc ctttctacaa gcagtttgcg gctaaccgca caaccctctt acaactacaa 360
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 atcattnggt ggtgccctct tttagattga ttattagttg taattcaata ataaagtttt 480
 ttggatgatg tatgtggcca accagaaata agaagttaca tttccagatt ctaatgtgat 540
 attggtctcc aaaggtgttc gataattact tttcctaaat tngngagtaa caagctntaa 600
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<210> 11688

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B6

<400> 11688

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 ctcccccccc ccnaccnc ccaaaaatag gttccttccc caagaaccta aaggaagggg 180
 gttaccgggg cttcgggagg aactccacac ccaaccggaa ttctcggaac acgaagcccc 240
 atcccgatcc accctctttg ccttattcga gcttctgggg ctgcgagata aaggggccga 300
 ccgggtcgct ggagccctcc taccacgagg cctgtggcc cgatgaagag gccggcgctc 360
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 tggggaccga tgccttggcc ttgatggatc atttgggggg gaaaaaagct cacgtttttc 540
 gccactccat gggtgccatg attgcttgca agctagatgt gatggcacct cacaagctat 600
 gttcgtggc attgctta 618

<210> 11689

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B7

<400> 11689

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attccacaat gtcacttgc tcctagtcc attattccac agttcctccc accagttact 180
tcaatggcct tcgaacaccc agctgtgcaa gcctataggc tacaacaagc gattgcggcg 240
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caaaccatcg caacgcaaca gcaacaacag ttctaccag cactgagcca cctagccatg 360
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ctcgtctgtgg ccaatgcacc tacatacctg caacaagnaa attgttgcaa cagattgtac 600
cagctctaac tcagctagct gtggcaaaac ctgttgcta cttgcacagc tgct 654

<210> 11690

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B8

<400> 11690

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tccctcaatg ctcaacagct cctatagctt cccttcttcc ccatacctt ccatcaatta 180
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accaactgtc tacactgaac cctgctgctt atttgcagca acaactatta ccatttagcc 480
agctagctac tgctactct cagcaacaac aacttcttcc atttaaccaa ttggccgcac 540

tgaacccccgc tgcttatattg cagcagcaaa tactactacc atttagccag ctagctgcag 600
c 601

<210> 11691

<211> 678

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B9

<400> 11691

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ccctggccta ccacgccgcc acatcaagca tcctccggtt gttcaatcgc aaaaggtctt 180
ccgtgaacgt gatcgcgtca tcctccggcc tctctctcag tgccctcaca gtgcagtccc 240
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tccccagctt tggccgcytc ttcaggcgct cactgcggtt ggacgtgcgg aagagcgtcg 600
ttggcctgct ggtaggtgtt gccttcgcct ncgtgtgctt gatgtcgact agattcatct 660
gtctgcacac tccttact 678

<210> 11692

<211> 342

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-C1

<400> 11692

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa atttnaaaaa aaaaaaaaaa aaaaaaaaaa 120

atttttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggggg 180
 gggccggttt tgggggtccc aggtttcctc cccgggggttg gcacggtttt gctttttttt 240
 tggggccccc aaattaaatt tccggggcgg ggttttccaa ccgcggggcg gggaaaaccc 300
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<210> 11693

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C10

<400> 11693

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 aaggagcaag gtcggggac atgatcatcg gatccgtaaa ggaggcccag cctcgtggca 180
 aggtcaagaa aggagacgta gtctacggcg tggtcgtccg tgccgccatg aagaaaggac 240
 gcagcgatgg cagcgaggtc cagttcgacg acaacgcggg ggtcctcgtg aacaagaagg 300
 gcgagctgat cggcaccgc gtctttggcc ccgtcccca cgagctgagg aagaagaagc 360
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 ttgtgggaat gttttttttt gtgtgttctc tgtttgaata atgcattgtg aaacgatagc 480
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<210> 11694

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-C11

<400> 11694

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 cgcgacccc atcgacaact cgcctttcat cgtctctcc tcccgggaca agtccgtgct 180
 ggtgtgggac ctgaccaacc cgtccactc cccccggaa tccggcgta cgcgcgacta 240

cggcggtcccc ttccgcccgc tcaccggcca ctcccacttc gtccaggacg tcgtccttag 300
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 cttctccgtc gacaaccgtc agatcgtctc cgcgtcccgc gacaagacca tcaagctctg 480
 gaacactctc ggcgagtga agtacaccat cggcggcgac ctcggcggcg gcgagggcca 540
 caacgggtgg gtctcctgcg ttaggttctc cccaaacacc ttccagcca ccattgtctc 600
 cggatcctgn gaccgttccg tcaaggtttg gaccttacca actgcaagct gcgctggact 660

<210> 11695

<211> 724

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C12

<400> 11695

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 ttcagcacct acggcgaggt cctcgagtcc aagatcatcc tcgatcggga gacgcagagg 180
 tcccggggct tcggcttcgt caccttctcc acggaggagg cgatgcggaa cgccatcgag 240
 ggcataaacg gcaaggagct ggacggccgc aacatcaccg tcaacgaggc ccagtcccgc 300
 ggcggccgtg gaggcggcgg cggcggcggg tacggtggtg gccgtggagg cggcggctac 360
 ggcggtggcg ggcgccgtga tggcggcggc ggctacggcg gtggcggcgg ctacggtggt 420
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 cctgttcgct accgtgttgt ttaccctagt ccagagtgtt tatcttcgtt cgtctcgtgt 600
 ttgttggtgc ccatctgtgt ttttgattga aggtcgtctt gtgtcagttg ttagtgctgt 660
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 gctg 724

<210> 11696

<211> 678

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-C3

<400> 11696

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<210> 11697
 <211> 500
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C5

<400> 11697

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aagacaactt gaaaaaaaaat ataccggcg gggcgggctg catcactctc aatgcgtcta 360

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gtccccgacc gcagaccctt aaacgttctt tgtgtgcacc acctaaaacc ataacctggt 420
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<210> 11698

<211> 526

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-C6

<400> 11698

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<210> 11699

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C7

<400> 11699

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 cttgtccta gcgccatcct tccacagaca cccccaccag ttacttcaat gggctggcaa 180
 caccacctg tgcaagccag cctgcaacac ccagcgctcg cggggagcgt gcgacaacaa 240
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caccagccac aacagtcacct accatcaatg acccacctaa ccatgggtgaa ccctgccgctc 360
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cagccacaac cacagctaca acagtcactg ccaacgctca ctcaactaac catggagaac 480
catgcctgct acgtacaaca acaacaactg atttcatcta tcccgtctgc tgtggggaat 540
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<210> 11700

<211> 625

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C8

<400> 11700

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acttttaggt caatccctgt tttgttccca tgcattgaaat tgatggtctt cattttgttg 180
gttgtgacaa aagtcaaac cggtatggagg tgttttagttg tggagcagat tgcgggtttt 240
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<210> 11701

<211> 650

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C9

<400> 11701

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 caacagcaac tttgtgcttg agcttgattt tgagcccttc aatgcctcct ttcctcgtcc 480
 ttccatgtcg aagtccatcg gaaatggagt gcaattcctt aaccgacacc tgcgtccaa 540
 gttgttccag gacaaggaga gtttgtaccc cttgctgaac ttcctcaagg ctcataacta 600
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<210> 11702

<211> 615

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-D1

<400> 11702

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 agctaccgca ccaaccctg tggcgtctcc gctgccattc cgcctacta ctgattcatg 480
 atatttgga aatctcctct atccatctct ctctatctat atatgtaata atgcagtaag 540
 acgacacaca ttatcatgtg tggatatgacc aataatatat gcatgggtcat aataaagttt 600
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<210> 11703

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-D11

<400> 11703

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tgccaccgga ggtggtgctg ttatccgacc aattaactgg agatatatga agaggggcct 120

atctgttttg ttagatgtgc cgttgatgc tcttgctagg cgtattgcta aagtgggaac 180

tgccctctcg cctcttctgg accaaccatc tggatgatccg tacgcaatgg ccttttctaa 240

gctcagcatg cttgcacagc aaaggggtga tgcttatgca aatgcagatg taagggtttc 300

tctggaagag attgcatgta aacaagggtca tgatgatgtc tctaagctga cacctactga 360

tattgcaatt gagtcacttc ataagatcga gagcttcgtc atcgagcaca ctgctgatag 420

ttcagctagc gacgcgcaag ctgagtcgca gatccagagg atacagacct tgtagaacct 480

taatcccttt gtttgccaca tagagcatcg ttgagttatt tgtaaaggaa tggaagaagg 540

gagctaataa tccgaatgtg ccgttggtcg aaaatcgctt gtcttcatcc tggctctgct 600

tctgttcgc 609

<210> 11704

<211> 677

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-D3

<400> 11704

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ctccaccgtc gtcgtcacca aggtcggagt gtgggggtgga gagggagggt cggcgcagga 180

catcgcgacg acggagccgc cgaggcgtct gcagagcctg accgtccgcg ccggcgttgc 240

cgtggactcc atcgagttca cctacagtac cgacacaggt ggtcagacgc gcaccgctgg 300

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 gattgtcacc agcaccgcca gagcttgggg gccatggggc atcgagagcg gcacacgttt 480
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<210> 11705
 <211> 648
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-D5

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 tagtatcaag tgtttcttgt acacagacag ggggctgcag ctgtgggtcaa caacaaagcc 180
 atgagcagca acatcatcca caacaacatc atccacaaaa acaacaacat caaccaccac 240
 cacaacatca ccagcagcag caacaccaac aacaacaagt tcacatgcaa ccacaaaaac 300
 atcagcaaca acaagaagtt catgttcaac aacaacaaca acaaccgcag caccaacaac 360
 aacaacaaca acaacagcac caacaacaac atcaatgtga aggccaacaa caacatcacc 420
 aacaatcaca aggccatgtg caacaacacg aacagagcca tgagcaacac caaggacaga 480
 gccatgagca acaacatcaa caacaattcc agggctcatga caagcagcaa caaccacaac 540
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<210> 11706
 <211> 688
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-D6

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<210> 11707

<211> 139

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-D7

<400> 11707

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taagatgcct gctgcgattg cctgttggt cctgtagggt tgaagaattg ggttttcacc 120
tactgaagac accgctggt 139

<210> 11708

<211> 533

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-D8

<400> 11708

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gccgtgatgg cggcggtggc tacggcggtg gggcggtggc ctacggtggc ggcggtggct 180
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gtgatgttta ccctagtcca gagggtttat ctctgttcgt ctggtttgtt gttgcccac 360
tgtgtttttg attgcaaggt cgctctgtgt cagttgttag tgctgtgttc atcctcggct 420
ccagcagacc catgcatcaa ccagcatgga ctgtggatcg atggatgctg ttactcctgt 480
caggatttgt tctaagttaa tcctaaggaa aaaatggtgc ttcttgggtgc tgc 533

<210> 11709

<211> 672

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-D9

<400> 11709

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gaatgcctac atttgccctt cctgttcacg atggtggggg aggttttgac tatcgatgc 180
atatggctgt ggctgacaaa tggattgacc ttctcaagca aagtgatgaa acttggaaga 240
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atttcatggg aaatgagttt ggacatcctg aatggataga ttttccaaga ggtccgcaaa 540
gacttccaag tggtaagttt attccaggga ataacaacag ttatgacaaa tgcgtcgaa 600
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caatgcaaca tc 672

<210> 11710

<211> 505
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-E1

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<210> 11711
<211> 709
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-E10

<400> 11711

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tctgactcaa ctagctgtgg caaacctgtg tgcctacttg caacagctgc ttccattcaa 660
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<210> 11712

<211> 661

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E11

<400> 11712

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<210> 11713

<211> 701

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E2

<400> 11713

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 ggcaggcatg gcgccttaga gcgttgccgc tccatctcgt cgctgctgga gagcagctgg 540
 ctagctgtta gcgttttccc tagtttctct ctctctctct gtcgctgtgt tccccgtttc 600
 agtttactta tagcccgaag attttctgta gtattggaat gccagagacc tttnngccga 660
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<210> 11714

<211> 664

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E3

<400> 11714

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 tctagacggc ggtttgactt tccgaccggg gaatcggcgc tgcgtttgat ttgaggaggc 180
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 gctaccatca ccagctgttg aaataatccc ctcaaagagt gttcatccat acaaatatgc 480
 tggagagaag gttgatgtgc aaggcttaa tattttcaag ggtaaagtca gtgtagcaga 540
 tatgatagtt atctcgctt ctgaagtagc atcatcaaaa tatgatggaa ctctgaaaac 600
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agct

664

<210> 11715

<211> 375

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E4

<400> 11715

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tgcgacggtg atggacaaag cgcggagggt ccgcgcgggc gccggagcgc tggcggcgcc 180

gctcgccgtg gggctcctgg cgggggctaa cgtgctggcc tgcggcgcg c tggaggcgcc 240

gtgatgaatc cgcgcgcgcg ttcgggcccgc ccgtcgtggg ctcccgtcgc tggagacacc 300

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<211> 690

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E5

<400> 11716

cgaatccagt agcaacaaca gagcaacaat ggcgaccaag atattttccc tccttatgct 60

ccttgctctt tctgcatgtg ttgctaacgc gacaattttc cctcaatgct cacaagctcc 120

tatagcttcc cttcttcccc cataccttcc atcaatgata gcttcagtat gtgaaaaccc 180

agctcttcag ccctataggc tccaacaagc aatcgcagca agcaacatac ctttatcacc 240

cttggtgttt caacaatcgc cagccctatc tttggtgcag tcattggtac aaaccatcag 300

ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac caagtagctc tggcaaacct 360

ttctccctac tctcagcaac aacaatttct tccattcaac caactgtcta cactgaaccc 420

tgctgcttat ttgcagcaac aactattacc attcagccag ctagctactg cctactctca 480

gcaacaacaa cttcttccat ttaaccaatt ggccgcactg aaccccgctg cttatttgca 540
gcagcaaata ctactacat ttagccagct agctgcagca aaccgtgctt ccttcttgac 600
cagcaacagt tgctgccttt ctaccagcag tttgcggtta accccgcaac cctcttacac 660
tacaacaatt gttgccctnt gtccaactgc 690

<210> 11717

<211> 692

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E6

<400> 11717

attttcagca ttcaaaaaca caccaagcga agcgactag caacgaccta acaccaatgg 60
ctaccaagat attagccctc cttgcgcttc ttgccctttt agtgagcgca acaaatgcgt 120
tcattattcc acagtgtcga cttgtccta gtgccattat tccacagttc ctcccaccag 180
ttacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa ctagcgcttg 240
cggggagcgc cttacaacaa ccaattgcc aattgcaaca acaatccttg gcacatctaa 300
ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcca tcaactgagcc 360
acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag tttatgccag 480
tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcatctagcc 540
cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
cagctctgac tcagctagct gtggcaaacc ctgctgcta cttacaacag ttgcttncat 660
tcaaccactg gctgtgtcaa actttgctgc gt 692

<210> 11718

<211> 629

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E7

<400> 11718

ngaacacacc tagcgaacgc actagcaacg acctaacaac aatggctacc aagatattat 60
 ccctctttgc gcttcttgcc ctttttgtga ggcgaacaaa tgcgttcatt attccacaat 120
 gctcacttgc tcttagtgcc attattccac agttcctccc tccagttact tcaatgggct 180
 tcgaacaccc agctgtgcaa gcctacaggc tacaacaagc gcttgcggcg agcgtcttac 240
 aacaaccaat tgcccaatta caacaacaat ccttggcaca tctaaccata caaaccatcg 300
 caacgcaaca gcaacaacaa tttctaccag cactgagcca actagctgtg gtgaaccctg 360
 tcgctactt gcaacagcag ttgcttgcac ccaaccact tgctctggca aacatagttg 420
 cataccaaca acaacaacaa ttgcaacagt ttctaccagc gctcagtcaa ctagccatgg 480
 tgaaccctgc cgctaccta caacagcaac aactgatttc atctagccct ctgctgtggt 540
 ttaatgcacc tacatacctg caacaacagt tgctgcaaca gattgtacca gctctgactc 600
 agctagctgt ggcaaaccct gctgcctac 629

<210> 11719

<211> 672

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-E8

<400> 11719

gcggttcatta ttccacaatg ctcaattgct cctagtgccca ttataccaca gttcctccga 60
 ccagttactt caatgggctt cgaacaccta gctgtgcaag cctacaggct acaacaagcg 120
 cttgcggcga gcgtcttaca acaaccaatt aaccaattgc aacaacaatc cttggcacat 180
 ctaaccatac aaaccatcgc aacacaacag caacaacagt tctaccagc actgagccaa 240
 ctagatgtgg tgaaccctgt cgctacttg caacagcagg tgcttgcac caaccactt 300
 gctctggcaa acgtagctgc ataccaacaa caacaacaat tgcaacagtt tctgccagcg 360
 ctcaagtcaac tagccatggt gaaccctgcc gcctacctac aacagcaaca actgctttca 420
 tctagccctc tcgttgtggg taatgcacct acatacctgc aacaacaatt gctgcaacag 480
 attgtaccag ctctgactca gctagctgtg gcaaaccctg ctgctactt gcaacagctg 540
 cttccattca accaactgac tgtgtcgaac tctgctgcgt acctacaaca gcgacaacag 600
 ttacttaatc cactagcagt gcctaaccga ttggtcactg ctttctaca gcagcaacaa 660

ttgctaccat ac

672

<210> 11720

<211> 659

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E9

<400> 11720

gagaccagca agcaacatag aaagtagaat ccattagcaa caatagagca acaatggcga 60

ccaagatatt ttccctcett atgtctcttg ctctttctac atgtgttgct aacgcgacaa 120

ttttccctca atgttcacaa gtcctatag ctcccttct tccccatac cttccatcaa 180

ttatagcttc agtatgtgaa aaccagctc ttcaaccata taggcttcaa caagcaatcg 240

cagcaagcaa cataccttta tcgcccttgt tgtttcaaca atcaccagcc ctatctttgg 300

tgcagtcatt ggtacaaacc atcagggcac aacagctgca gcaactcgtg ctacctgtga 360

tcaaccaagt agctctggca aacctttct cctactctca gcaacaacaa tttcttccat 420

tcaaccaact gtctacactg aacctgctg cttatttgca gcaacaacta ttaccattta 480

gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540

cactgaaccc cgctgcttat ttgcagcagc aaatactact gccatttagc gagctagctg 600

cagcaagtcg tgcttncttc ttgacacagc acagttgctg cttttctaca agcagtttg 659

<210> 11721

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F1

<400> 11721

nncatttcag ccatcacanc gcaccagcnn cancnngntcc taccagcact gngccaccta 60

gccatggtga accctgccgc ctacttgcaa gagcagctgc ttgcatccaa cccacttgct 120

ctggcgaacg tagttgcaaa ccagcaacaa caacagctcc aacagtttct gccaacgctc 180

agtcaactag ccatggtgaa ccctgccgcc tacgtgcaac aacaacaact gctttcatct 240

agcccgctcg ctgtgggcaa tgcacctaca tacctgcaac aacaattggt gcaacagatt 300
gtaccagctc tgactcaact agctgtggca aaccctgttg cctacttgca acagctgctt 360
ccattcaacc aactgactct gtcgaactct gctgcgtacc tacaacagcg acaacagtta 420
cttaatccat tggtagtggc taaccatttg gtcgccgctt tcttacagca gcaacaattg 480
ctgccataca accagttctc tttgatgaat cctgtcttgt cgaggcagca acccatcggt 540
ggaagtgcc a tcttttagat tacatatgag atgtactcga taatggtgcc ctcataccga 600
cgtgtgtttc ctaggaataa tcaatatatt gat 633

<210> 11722

<211> 701

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-F10

<400> 11722

attttgagca ttcagaacac accaagcgaa ggcactagc aacaacctaa caacaatggc 60
taccaagata ttatccctcc ttgcgcttct tgcgcttttt gcgagcgcaa caaatgcgtc 120
cattattcca caatgctcac ttgctcctag ttccattatt ccacagttcc tcccaccagt 180
tacttcaatg gccttcgaac acccagctgt gcaagcctat aggctacaac aagcgattgc 240
ggcgagcgtc ttacaacaac caattgcccc attgcaacaa caatccttgg cacatctaac 300
aatacaaacc atcgcaacgc aacagcaaca acagttccta ccagcactga gccacctagc 360
catggtgaac cctgtcgcct acttgcaaca gcagctgctt gcatccaacc cacttgctct 420
agcaaacgta gttgcaaacc agcaacaaca acaactgcaa cagtttctgc cagcgcttag 480
tcaactagcc atggtgaacc ctgccgccta cctacaacag caacaactgc tttcatctag 540
cccgctcgct gtggccaatg cacctacata cctgcaacaa gaattgttgc aacagattgt 600
accagctcta actcagctag ctgtggcaaa cctgtttgcc tacttgcaac agctgcttcc 660
attcaaccaa ctaactatgt cgaactctgt tgcgtaccta c 701

<210> 11723

<211> 486

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-F11

<400> 11723

gttcgacctt gaggaactcc atcccaaaat ctattgttta ttgccaagtg cgagaggcca 60
agcgctcgct gctcgatcac ttcttcaactg aactgggagc aagagagatg aagcaacttt 120
ccaagcttct cgacgaagat ccagcagtcg tggaacgcag aactaacctt gcaaagaggc 180
tggagctgta ccggagtgcc caatcggaaa tcgatgcagt cgcattggcc aaatagccct 240
gatggctaag atatctgttc ttacatgttc tttatccctc gtctggcgat tgtctcccct 300
attctggggc atatatactg gatttttgtc tgtttaggtt caggtcattc tatagattac 360
cgcagctgta cgggtgtcgt tagttgtgct tttgttccct gtacttgagg gtctagggga 420
caccaggctg ctgtacgctt gcatcacgga caagttcata aattgtgttt ttgttaccat 480
gcanna 486

<210> 11724

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F12

<400> 11724

ctacaaacca ttgcaacgca acaacaacaa caacaacagt ttctgccatc actgagccac 60
ctagccgtgg tgaaccctgt cacctacttg caacagcagc tgcttgcatc caaccactt 120
gctctggcga acgtagctgc ataccagcaa caacaacagc tgcaacagtt tatgccagt 180
ctcagtcaac tagccatggt gaaccctgcc gtctacctac aactactttc atctagcccg 240
ctcgcggtgg gcaatgcacc tacgtacctc caacaacagt tgctgcaaca aattgtacca 300
gctctgactc agctagctgt ggcaaaccct gctgcctact tacaacagtt gcttccattc 360
aaccaactgg ctgtgtcaaa ctctgctgag tacctacaac agcgacaaca gttacttaat 420
ccattggcag tggctaaccg attggctcgt accttcctgc agcagcaaca acaattgctg 480
ccatacaacc agttctcttt gatgaacctt gccttgagc aaccatcgt ttgaggtgcc 540
atcttttaga ttacatatga gatgtactcg acaatgggtg cctcataccg acatgtgttt 600

cctagnaata atcaatatat tgattgagat ntatctcgat at

642

<210> 11725

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F2

<400> 11725

gccgcctccg nnncttctgc cgccgcagca gcagccgcng ccccggnnn accccacnca 60
accacdcag ctaagcccg gccagcagtt cggatcctgc ggcgtcggca gcgtcggcag 120
cccgttcctg ggccagtgcg tcgagttcct gaggcaccag tgcagcccg cggcgacgcc 180
ctacggctcg ccaaagtgcc aggcgctgca gcagcagtg tgccaccaga tcaggcaggt 240
ggagccgctg caccggtacc aggcgacata cgggtgtggtc ctgcagtcct tcctgcagca 300
gcagccgcag ggcgagctcg cggcgctgat ggcggcccag gtagcgcagc agctgacggc 360
gatgtgcggc ctgcagctgc agcagccagg tccctgccct tgcaacgcag ctgccggcgg 420
tgtctactac tgaggaaact atgtactgta gtaataatgt aatggagccg ctgactagct 480
acctagctcg ctagtcttact catttagcgg cgatgagtaa cgtagtgtca cccatcacca 540
tggmntgcag tgtgagcaat gacctgaatg aaccattgaa atgnaaagna ataatatata 600

<210> 11726

<211> 700

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F3

<400> 11726

ccgggtcgcc cagcgtccgt tgcttcttgt nnggccaatn gtgtcccatc cctggcngcc 60
aaaatttttg ctccttatg ctcccttggtc tttctgcaag tgctgctacg gcgaccattt 120
tcccacaatg ctcaaacgt cctatagctt ccttcttcc cccgtacctc tcaccagcgg 180
tgtcttcggt atgtgaaaac ccaattcttc aacctatag gatccaacag gcaatcgcag 240
ctggcatctt acctttatca cccttggtcc tccaacaatc atcagcccta ttacagcagt 300

taccttttgggt gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc 360
tagcaaacct tgctgcctac tctcagcaac aacagtttct tccattcaac caactagctg 420
cattgaactc tgctttcttat ttgcaacaac aacaactacc attcagccag ctatctgctg 480
cctacccccca gcaatttctt ceattcaacc aactgacagc tttgaactct cctgcttatt 540
tacagcagca acaactacta ccattcagcc agctagcttg tgtgagccct gctaccttct 600
tgacacaacc acaattgttg ccgttctacc agcacgtgc gcctaaacgc tgcacctct 660
tacaactgca caattgctgc cattcaacca acttgctttg 700

<210> 11727

<211> 99

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-F5

<400> 11727

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tcctgccttc accggcattc ttgttttttt tccaggtg 99

<210> 11728

<211> 678

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F6

<400> 11728

ggtccggca gatctttgtg aagacactca ctggcaagac aatcaccctt gaggtggagt 60

cttcggatac cattgacaat gtcaaggcca agatccagga caaggagggc atcccacccg 120

accagcagcg cctcatcttc gccggcaagc agctggagga tggccgcacc ctggcggatt 180

acaacatcca gaaggagagc actctccacc tgggtgctccg cctcaggggt ggcatgcaga 240

tttttgtgaa gacattgact ggcaagacca tcaccttggg ggtggagagc tctgacacca 300

ttgacaatgt gaaggccaag atccaggaca aggagggcat tccccagac cagcagcgtc 360

tgatctttgc gggcaagcag ctggaggatg gccgcactct cgcggactac aacatccaga 420

aggagagcac ccttcacctt gttctccgcc tcagaggtagg tatgcagatc tttgttaaaga 480
 ccttgactgg aaaaaccata accctggagg ttgagagctc ggacaccatc gacaatgtga 540
 aggcgaagat ccaggacaag gagggcatcc ccccggaaca gcagcgtctg atcttcgccg 600
 gcaaacagct ggaggatggc cgcaccctag cagactacaa catccaaaag nagagcaccc 660
 tccaaccttg tgctcgtc 678

<210> 11729
 <211> 664
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-F7

<400> 11729

ggggcgatt ggatatggca gtgcatcgac tactcttoga ctccatgtct ttctctctac 60
 ctagtcttgt gcctaacaac ttcttaggaa tcaacattgt atgtccaaaa aaaacatttg 120
 gagcaaagca agggatcaaa gttgccaaat cgatcactgc tgtcatgcat gcacgctaga 180
 tatataaacg gttaacatgt ctgtgggatt cgaatcagag agaaacttgt ggaactggaa 240
 tcagataagc gataagtatt cgaaactgaa tcactttaca cgtatgtact gtgtggaaac 300
 ttgctctgtt agtaactaca cgctatatat atatgagatc acatttttgg ctctgtgtgt 360
 acgtggagta ctgtttcgtt ctattagctt aactttccag catttcgttt tgtatcatgt 420
 acagggtgat atgggtatgtt agtaactgca tatgcgtttc tggtgtgtac gtagaaatta 480
 aaaaaagagg cttcagctat atacaataat ttcagaatct catccatgct tttagaatat 540
 accatgtaat aataataagt acaaatttta tcaactgtgta cagggtgtatt gtatgggttt 600
 ggcaactgat cgattgcgtt tccatcgagc aaataaaaaa ggaaccttaa tatattactt 660
 gtgg 664

<210> 11730
 <211> 119
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-G1

<400> 11730

taccggtccg cattcccgn aagaaactaa aagaggcacc accaatgatg gggtatagtt 60
 caataataaa gttttttatc tgatgttagt ggcttcccag aataagaaag tcatttctg 119

<210> 11731
 <211> 670
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-G10

<400> 11731

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 gtctttctgc aagtgtgct acggcgacca ttttcccaca atgctcacia gctcctatag 120
 cttcccttct tccccgtac ctctcaccaa cgggtgtctt ggtatgtgaa aaccaattc 180
 ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta tcacccttgt 240
 tctccaaca atcatcagcc ctattacagc agttacctt ggtgcattta ttggcacaaa 300
 acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc tactctcagc 360
 aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct tatttgcaac 420
 aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca 480
 accaactgac agcattgaac tctctgctt atttacagca gcaacaacta ctaccattca 540
 gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg ttgccgttct 600
 accagcacgc tgcgcctaaa cgtgcaccc tcttacaact gcaacaattg ctgccattca 660
 accaacttgc 670

<210> 11732
 <211> 678
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-G11

<400> 11732

aacatagnaa gcacaatagt gtaccaacaa tggcagccaa aatattttgc ctccttatgc 60
 tcttggtct ttctgcaagt gctgctacgg cgaccatttt cccacaatgc tcacaagctc 120

ctatagcttc ccttcttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaacc 180
caattcttca accctatagg atccaacagg caatcgcagc tggcatctta cctttatcac 240
ccttgttcct ccaacaatca tcagccctat tacagcagtt acctttgggtg catttattgg 300
cacaaaacat cagggcacia caactacaac aacttgtgct agcaaaccct gctgcctact 360
ctcagcaaca acagtttctt ccattcaacc aactagctgc attgaactct gcttcttatt 420
tgcaacaaca acaactacca ttcagccagc tatctgctgc ctacccccag caatttcttc 480
cattcaacca actgacagct ttgaactctc ctgcttattt acagcagcaa caactactac 540
cattcagcca gctagctggg gtgagccctg ctaccttctt gacacaacca caattgttgc 600
cgttctacca gcacgctgcg cctaaacgct gcacccctctt acaactgcaa caattgctgc 660
cattcaacca acttgctt 678

<210> 11733
<211> 449
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-G2
<400> 11733

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gcggtggcgg cggcggtac ggtggcgcg gtggctacgg tgggtggtgg ggcggctacg 120
gcggtggcaa ccgtggcggc ggctacggca actccgacgg gaactggagg aactgagcgg 180
tggggcccgc gcggccaagt tatcctgttc gctaccgtga tgtttaccct agtccagagg 240
gtttatcttc gttcgtctcg tttgttgttg cccatctgtg tttttgattg caaggctcgt 300
ctgtgtcagt tgtagtgct gtgttcatcc tcggctccag cagacccatg catcaaccag 360
catggactgt ggatcgatgg atgctgttac tcctgtcagg atttgttcta agttaatcct 420
aaggaaaaaa tgggtgcttct tgggtgctgc 449

<210> 11734
<211> 656
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-G3

<400> 11734

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aagtggcaga cattgattga agcccatgtt gatgtcaaga caaccgacia ctacatgctg 120
cgtttgttct gcattggttt taccaagagg cgcccaaacc aggtcaagag aacctgctat 180
gctcaggcat cccagattcg gcagattcgc cgcaagatgg ttgagattat gatcaaccag 240
gcttctacat gtgaccttaa agaacttggt tctaagttca ttccggaagt tattggcaaa 300
gagattgaga agtctacctc cagcatcttc ccacttcaaa acgtcttcat ccgcaagggtg 360
aagatactca agggcccaaa gtttgatctc gggaagttga tggagggttca tggcgactac 420
aaagaggacg ttggtgtgaa gcttgagagg cctgtcgagg gtgatgaggc tatgcaggag 480
gttgctgctg ccgagtagtt tatttgctac ttctttatct agacgaatct ggacaggagg 540
tcccttatga cgcgaaacttc ataaaattgt ctggcgacat gttttcttct gtcctgccc 600
taaactctaa acccaaaggt tattcgtaac aagtgtttta agattaataaa anaaaa 656

<210> 11735

<211> 659

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-G4

<400> 11735

caatctccca agacagtcct gatgtactac gccaatcttc tttcctcgcc agagggtac 60
ttccacaagg tcacttgcaa cgtgccggag ttccgcaaca ccacagtcaa ccacgacctg 120
catttcattt cctgggacia cccaccgaag cagcaccctc actacctcac gctcgctgac 180
ttcgacggca tggttaacag caacgcgccc ttgcaagga agttcgggag agaagacccc 240
gtgctggaca agatcgacca ggagctactg ggccgcccgc ctgatgggtt tgtgcccggc 300
ggatggacgt atctactgaa tgcgacgagt gaggaaggga gacccttcgc cgttgagcgc 360
gtgcaggatc tccgcccagg gcctggtgtg gatagattga agaaactcgt cacgggcttg 420
ctcacacaag aaggctttga tgacaagcac tgctgtgag actgcccccc agtaagatga 480

ttctggctgg gggcggtaga ttacacggtc aaatctgagg gcattggagc cattttctgg 540
gaatatgcct actggctgaa gaagcacaca tagtatcatg tgatgtacgc gtggatgcaa 600
gaacggtaag ataggtgctc ttacgacaca ccgctgagt tgactactac cgacagcag 659

<210> 11736
<211> 524
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-G5
<400> 11736

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agttttctcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg caacaacaac 180
aactaccatt cagccagcta cctgctgcct acccccagca atttcttcca ttcaaccaac 240
tggcagcatt gaactctect gcttatttac agcagcaaca actactacca ttcagccagc 300
tagctggtgt gagccctgct accttcttga tacaaccaca gttgttgccg ttctaccagc 360
acgctgcgcc taacgctggc accctcttac aactgcaaca attgctgcca ttcaaccaac 420
ttgctttgac aaaccagca gcgttctacc aacaacccat cattggtggt gccctctttt 480
agattttctta tgagttatag ttcaataata aagttttttg tctg 524

<210> 11737
<211> 617
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-079-01-K6-G7
<400> 11737

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ggtgcattta ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 120
ccttgtgcc tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa 180
ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc 240
ccagcaattt cttccattca accaactggc agcattgaac tctcctgctt atttacagca 300

gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgataca 360
accacagttg ttgccgttct accagcacgc tgcgcctaac gctggcacc ctttacaact 420
gcaacaattg ctgccattca accaacttgc tttgacaaac ccagcagcgt tctaccaaca 480
acctatcatt ggtggtgccc tcttttagat ttcttatgag ttatagttca ataataaagt 540
tttttgtctg atgtttgtgg cttcccagaa ataagaaaag tcattttctag aaaaaaaaaa 600
aatagggcgg ccggtct 617

<210> 11738

<211> 716

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-G8

<400> 11738

ccggnngtcg accccaacgc gnntccgcat actagcaaca tagnaaagca caatagtgtg 60
ccaacaatgg cagccaaaat ttttgctcc ttatgctcct tggcttttct gcaagtgtctg 120
ctacggcgac cattttcccg caatgctcgc aagctcctat agcttccctt cttcccccg 180
acctctcacc agcgggtgtct tcggtatgtg aaaaccaat tcttcaacc tacaggatcc 240
aacaggcaat cgcagctggc atcttacctt tatcaccctt gttcctccaa caatcatcag 300
ccctattaca acagttacct ttggtgcatt tattggcaca aaacatcagg gcacaacaac 360
tacaacaact tgtgctagca aaccttgctg cctactctca gcaacagcag tttcttccat 420
tcaaccaact aggttcattg aactctgctt cttatttgca acaacaaca ctaccattca 480
gccagctacc tgctgcctac cccagcaat ttcttccatt caaccaacta gcagcattga 540
actctcctgc ttatttacag cagcaacaac tactaccatt cagccagcta gctggtgtga 600
gccctgctac cttcttgaca caaccacagt tgttgccgtt ctaccagcac gttgcgccta 660
acgctggcac cctcttaca ctgcaacaat tgctgccatt caaccaactt gctttg 716

<210> 11739

<211> 719

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-H1

<400> 11739

cccggtcngc cccgcgtccg nngngnnnag agatcgtctg nggggcnngg gggggccggg 60
cnggggtccc acaccatccg ggcgcggctg tcaccgggca cggcggttcgt ggtgcccgcg 120
ggccaccctg tcgtcgcggg ggcgtcccgg gacagcaacc tccagatcgt gtgcttcgag 180
gtccacgccg acaggaacga gaaggtgttc ctggccggcg ccgacaacgt gctgcagaag 240
ctcgaccggg tcgccaaggc gctgtcattc gcctccaagg cggaggagggt ggacgagggtg 300
ctcggctcgc ggcgcgagaa' ggggttcctt cctggcccca aggagagcgg cggccacgag 360
gagcggggagc aagaggagga ggaggaacgc gaagaacgcc acggcgggcg tggggagagg 420
gaacgccacg gacgtgagga gcgggagaaa gaggaggagg aacgcgaagg acgccacggc 480
cgcggggcgc gcgaggagg ggcggagacg ctcatgagga tggttaccgc caggatgtga 540
ggccgcgcgc ctcgcaaaaa cgagcaagaa gcaacaagag ggtggcgcg caccgacgtg 600
cgtacgtagc atgagcctga gtggagacgt tggacgtgta tgtatatacc tctctgcgtg 660
ttaactatgt acgtaagcgg gcagcagtgc aataagtgtg gctctgtagt atgtacgtg 719

<210> 11740

<211> 685

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-H10

<400> 11740

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agagggattt caagggcaat acaaatatgg cgacaattca tttgaagcat ctgcttcacc 120
ttctggtgct agttattcaa aatgcaagga tgatgcagtg aaagctctta aggttgatga 180
agcatgcacc cacatgaagt gttcttttgg tggcatttgg aatggtggtg gtggtgctgg 240
acagaataat ctctttgtag catccttttt cttegatagg gctgctgagg ctggatttgt 300
gaacgccaat gcacctgttg ctaagggttaa accctcagac ttcagacaag ctgctgagcg 360
cgcttgctct ttgagtgtga agaacgccga ggctaccttt cctggtgtcc aaaaggataa 420

cattccatat atctgcatgg accttgttta tcagtaacaca ttacttgtgc acggattcgg 480
 cggtgatcca gaccatgaga tgaccttggg aaagaaggtc ccctacagtg gtgcatatgt 540
 cgaagccgca tggcctcttg gcagtgccat cgagggtggca tcttcatcat agcaaggaga 600
 cacagtttag caaggtaaca tcggacggca ttgttgtcat gaaagtttag cgttgggagt 660
 ccccccccc ctgaccgctt actga 685

<210> 11741

<211> 78

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-H11

<400> 11741

cgcccatcga ctacttccac cgcacctacg ggcccaacct ctacatctgc cgcttccagg 60
 agcctgggtgt cgcagaga 78

<210> 11742

<211> 703

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-H12

<400> 11742

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 atgggcttcg aacaccagc tgtgcaagcc tataggctac aacaagcgct tgcggcgagc 120
 gtcttagaac aaccaattgc ccaattacaa caacaatcct tggcacatct aaccatacaa 180
 accatcgcaa cgcagcagca acaagcactg agccacctag ccgtgggtgaa ccctatcgcc 240
 tacttgcaac aacagctgct tgcattcaac ccacttgctt tggcaaactg agctgcatac 300
 caacaacaac aacagttgca acagtttcta ccagcgctca gtcaactagc catggtgaac 360
 cctatcgctt acctacaaca gcaacaactt ctttcatcta gcccgctcgc tatgggcaat 420
 gcacctacat acctgcaaca acagttgttg caacaacagt tgctgcaaca aattgtacca 480
 gctcttactc agctagctgt ggcaaaccct gctgcctact tgcaacaact acttccattc 540
 aaccaactga ctgtgtcgaa ctctgctgcy tacctacaac agcgacaaca gttacttaat 600

ccactagcng tggctaaccc attggtcgct gccttcctac agcagcaaca attgctgcca 660
tacaaccagt tctctttgat gaaccctgcc ttgtcgtggc agc 703

<210> 11743

<211> 693

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-H2

<400> 11743

actccctggg ctgcaaanag ggccatgact gcaacttctt cggtccttct ctatttgctg 60
ctatcatggc gctcatgggtg ttttactaa tccagatctt tttcccgctg ggtaagatgt 120
ctgtgatgat ctacggcggg ttggcatcac ttatcttttg tggctacatc gtctatgaca 180
cggacaatgt catcaagcgc tacacctacg atgaatatat atgggctgct gtttctactct 240
acctcgacat catcaacctg ttactgtctc tgctgcagct gctgcaggca cccgatagct 300
gagcttggca agcttttact tggatctagc acttacatac atttgtgtat atcacaaact 360
ctgtaatgtt tatagatact ccaatttata actatactca actaggggct ttgtactcta 420
cttattattt gcaacaacaa caactaccat tcagccagct acctgctgcc taccctccagc 480
aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac 600
agttgttgcc gttctaccag cacgttgccg ctaacgctgg caccctctta caactgcaac 660
tattgctgcc attcaaccaa cttgctttga caa 693

<210> 11744

<211> 671

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-H4

<400> 11744

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ctgatcgttg cccttgctct cctggcgctc gctgcgagcg ccgcctccag tacaagcggc 120

ggctgtggct gccagacacc accgtttcat ctaccgcctc cgttctatat gccgcctccg 180
 ttctatctgc cgccgcagca gcagccgcag ccatggcaat accccactca accaccgcag 240
 ctaagcccgt gccagcagtt cggatcctgc ggcgtcggca gcgtcggcag cccgttctctg 300
 ggccagtgcg tcgagttcct gaggcaccag tgcagcccgg cggcgacgcc ctacggctcg 360
 ccacagtgcc aggcgctgca gcagcagtgc tgccaccaga tcaggcaggt ggagccgctg 420
 caccggtacc aggcgacata cgggtgtggtc ctgcagtcct tctgcagca gcagccgcag 480
 ggcgagctcg cggcgctgat ggcggcccag gtagcgcata agctgacggc gatgtgcggt 540
 ctgcagctgc agcagccaga tccttgccct tgcaacgcag ctgcggcgcg tgtctactac 600
 tgaggaaact atgtactgtc gtaataatgt aatggagccg ctgactagct acctataggg 660
 ctatagctag t 671

<210> 11745
 <211> 332
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-H5

<400> 11745
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 gtggcgcttg aggcccgctg tctctcccc cgctgtcgag gctcgcgccg gctagaggtc 120
 cacgtcccc ccgcctcttg ttcacagaca ggcggttggt tctgtggtca acaccggggg 180
 cgggggcggc gtcttcgtcc acagcaacat cttccactga atcagcaccg tcgaccacca 240
 ccacatcgtc accagcggct gctgcactct ttccagcatg ttccggtgct tctccctca 300
 cgtcgcctc gcctcgatgt tctgttcca ca 332

<210> 11746
 <211> 591
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-079-01-K6-H6

<400> 11746
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ataaaattac cgatcggtac ttaactacac acgcaagcaa ttagttcatg cgcttattag 120
 gttgtgccac tggccaccac tacactacat tacactagca caagcaagca gctacacata 180
 cttgtccata tcacataaac gaaacagcat atataagaag atgtcccaac atctttgcac 240
 cacgcgcgag atcagggggc ctgcaggccg aactcttcag ggcgcggcca cgttctcctt 300
 ggcgagcggc gcgatctcct cgccttcgac ccctggctcg ccgcggcgga ccccgaggct 360
 gaacagcagc ttctcccagt tcttgacagg gcccttcag gagagatcct ggatcatgca 420
 gttcctaacc atttctcgt acgccggcgt gccgaccacc ttgatggcgc gctgcaatgt 480
 ggtggccacc ttcttgacgt ccggcggctc cacgacgtta cagtcgacgc tgaggcggcc 540
 catgtagaac ccggtcttgc cttcgatgat ggtgtctacg agtccaccgg t 591

<210> 11747

<211> 674

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-H7

<400> 11747

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 tccttatgct ccttgggtctt tctgcaagtg ctgctacggc gaccattttc ccgcaatgct 120
 cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcggtat 180
 gtgaaaaccc aattcttcaa ccttacagga tccaacaggc aatcgcagct ggcattctac 240
 ctttatcacc cttgttctc caacaatcat cagccctatt acaacagtta cctttgggtgc 300
 atttattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaacttg 360
 ctgcctactc tcagcaacag cagtttcttc cattcaacca actaggttca ttgaactctg 420
 cttcttattt gcaacaacaa caactaccat tcagccagct acctgctgcc tacccccagc 480
 aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
 aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac 600
 agttgttgcc gttctaccag cacgttgcg ctaacgctgg caccctctta caactgcaac 660
 aattgctgcc attc 674

<210> 11748

<211> 56

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-H8

<400> 11748

ggattaatca atggagtttc atacaaagta taatgaatga ttatcctttt ggctgg 56

<210> 11749

<211> 696

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-H9

<400> 11749

caacatagaa gtggaatcca gtagcaacaa tagagcaaca atggcgacca agatattttc 60

cctccttatg ctccttgctc tttctacatg tgttgctaac ggcacaattt tccctcaatg 120

ctcacaagct cctatagctt cccttcttcc cccatacctt ccatcaatta tagcttcaat 180

atgtgaaaac ccagctcttc aaccatatag gcttcaacaa gcaatcgag caagcaacat 240

acctttatcg cccttggtgt ttcaacaatc gccagcccta tctttggtgc agtcattggt 300

acaaaccatc agggcacaac agctgcagca actcgtgcta cctctgatca accaagtagc 360

tctggcaaac ctttctcctt actctcagca acaacaattt cttccattca accaactgtc 420

tacactgaac cctgctgctt atttgcagca acaactatta ccatttagcc agctagctac 480

tgctactct cagcaacaac aacttcttcc atttaaccaa ttggcgcgac tgaacccgcg 540

tgtttatttg cagcagcaaa tactactacc atttagccag ctagctgcag caaacctgtc 600

ttccttcttg acacagcaac agttgctgcc tttctaccag cagtttgagg ctaacccgcg 660

aacctctta cactacaaca attgttgccc tttgtc 696

<210> 11750

<211> 631

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A1

<400> 11750

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aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac 120
cacagttggt gccgtttctac cagcacgctg cgcctaacgc tggcaccctc ttacaactge 180
aacaattgct gccattcaac caacttgctt tgacaaacct agcagtgttc taccaacaac 240
ccatcattgg tggcgccctc ttttagattt cttatgagtt atagttcaat aataaagtcc 300
tttgactgat gtttgtggct tcccagaaat aagaaagtac attggtcgat tctaaataaa 360
aataacaaat tcacaaaaaa cgcaggtgta cccaaacttg caacaccaga aggagctggt 420
gtagtccatc taacaattgc atacttttgc tttgtacgtc aatattctat gggccatgaa 480
tacattttct gttaagtaca atgggtcaatg ttcacacttc actcgtgggt tcattgttga 540
tgagaaaaaa atnanagact gtaatatgtg tacattgtat ttgngtatgg nctattattt 600
gtatgcccat ggggtgtggt actacctgct g 631

<210> 11751

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A10

<400> 11751

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atgctgtgac atccgtttcc aggaactagc attgttntgt gctgcaagag gtgctcattt 120
gttgtgctat cctggtgcat tcaacatgac tactggacgc actgcattgg gagttgctgc 180
aaagggcgag ggctgcagac aatcagctgt ttgttgcaac atgcgctcca gctcgagata 240
ccagtgcagg ctatgttgct tggggacact ccactcttgt tggacctttc ggagagggtga 300
ttgctacaac ggagcatgag gaggcgacca taatagcaga tattgactac tcactgattg 360
agcagaggag gcaatttctt cctctgcaac accagcggcg tggcgatctc tatcagctgg 420
tagatgtcca gagactgggt tctcagtagc gagcctggat gcggctgtgt gcccgctctg 480
caggcttgct cgtcctactt cgttcatgag atgcatgtct ctgggtttct tgagatcggt 540

caacatgatg agtgaaggcc gcgaggacgc aataaggcga ctgtcgttgt accttca 597

<210> 11752

<211> 671

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A11

<400> 11752

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gcccttggtg tttcaacaat caccagccct atctttggtg cagtcattgg taaaaacct 120

cagggcacia cagctgcagc aactcgtgct acctgtgatc aaccaagtag ctctggcaaa 180

cctttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt ctacactgaa 240

ccctgctgct tatttgcagc aacaactatt accatttagc cagctagcta ctgcctactc 300

tcagcaacia caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt 360

gcagcagcaa atactactgc catttagcga gctagctgca gcaagtcgtg cttccttctt 420

gacacagcaa cagttgctgc ctttctacia gcagtttgcg gctaaccccg caacctctt 480

acaactacia caattgttgc cctttgtcca acttgctttg acaaaccag cagcctccta 540

ccaacaacac atcatnnggt ggtgccctct tttagattga ttattagttg taattcaata 600

ataaagtttt ttggatgatg tatgtggcca accagaaata agaagntaca tttccagatt 660

ctaattgtgaa a 671

<210> 11753

<211> 636

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-A12

<400> 11753

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tgatataggg ttctagacca aagaagcaat ggaaaaggaa tcattctgcca catacgagcc 120

aaaaaggaa agtgaaataa gggtttttga gagttcagat gagatttcaa cggatcttgc 180

tgagtatatc tcacaagttt cagaaatttc tgtcaaagaa aggggatact ttgccatcgc 240

cttatctgga ggtcccctag tcagtttttt ggggaaactt tgtgaagctc catacaacaa 300
 gacactggat tgggccaaat ggtacatctt ctggtctgat gaacgtgctg tggcaaaaaa 360
 ccatgcagag agtaactata ggttaacaaa agaaggattc ctgcccaagg tacctattct 420
 gaatggccat gtctactcca taaatgacaa tgccacagtg gaggatgcag caacagacta 480
 tgaattcatg atcaggcagc tggttaaggt ccgcacaata ggagtctcag agagaaacga 540
 ctgtcccaag ttcgatctca tccttctcac catgggctcc gatgggcatg tggcctcgct 600
 tttcccgaaac accctgccat ggagctgaaa gagact 636

<210> 11754
 <211> 648
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-01-K6-A2
 <400> 11754

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 ccaagatatt ttccctcctt atgctccttg ctctttctac atgtgttgct aacgcgacaa 120
 ttttccctca atgctcacia gctcctatag cttcccttct tccccatac cttccatcaa 180
 ttatagcttc agtatgtgaa aaccagctc ttcaaccata taggcttcaa caagcaatcg 240
 cagcaagcaa cataccttta tcgcccttgt tgtttcaaca atcaccagcc ctatctttgg 300
 tgcagtcatt ggtacaaacc atcagggcac aacagctgca gcaactcgtg ctacctgtga 360
 tcaaccaagt agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat 420
 tcaaccaact gtctacactg aaccctgctg cttatttgca gcaacaacta ttaccattta 480
 gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540
 cactgaaccc cgctgcttat ttgcagcagc aaatactact gccatttagc gagctagctg 600
 cagcaagtcg tgcttccttc ttgacacagc acagttgctg cctttcta 648

<210> 11755
 <211> 700
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A3

<400> 11755

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ccccagacc agcagcggct catctttgct ggaaagcagc ttgaggacgg gcgcacgctt 180
gccgactaca acatccagaa ggagagcacc ctccacttgg tgctgcgcct caggggaggc 240
atgcagatct tcgtgaagac cctgaccggc aagactatca cctcgagggt ggagtcttca 300
gaaccatcg acaatgtcaa ggccaagatc caggacaagg agggcatccc accggacacg 360
cagcgtttga tcttcgctgg caagcagctg gaggatggcc gcacccttgc ggattacaac 420
atccagaagg agagcacctt ccacctggtg ctccgtctca ggggtggtat gcagatcttt 480
gtgaagacac tactggcaa gacaatcacc cttgaggtgg agtcttcgga taccattgac 540
aatgtcaagg ccaagatcca ggacaaggag ggcattccac ccgaccagca gcgcctcatc 600
ttcgccggca agcagctgga ggatggccgc accctggcgg attacaacat ccagaangag 660
agcactctcc nacctgtgct ccnctcagg ggtggcatgc 700

<210> 11756

<211> 677

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A4

<400> 11756

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ggcagtagtg gcgaccgccg tgggtggcctt ggtgctgctg gcggcggcgg cgacctcgga 180
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<210> 11757

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-A5

<400> 11757

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 caagagatga gagttgagac gagcacgcaa gaagggaat ccattccgtc tccgccagc 240
 cagcacaggc catctggtg tggcataca ggcaggaacc gtggcaccac cgccggacca 300
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 tttgcttgag atatgtggtg gggacggaag gaggagggag aatcgcgtag ttaattccat 540
 gccgtccttt atgttttttt tttttttttt gtctctgttc aagctttgac atgatacaat 600
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<210> 11758

<211> 616

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-A6

<400> 11758

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ctaccagegc tcagtcaact agccatggtg aaccctatcg cctacctaca acagcaacaa 180
cttttttcat ctageccgct cgctatgggc aatgcaccta catacctgca acaacagttg 240
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gccttgctgt ggcagcaacc catcggtggt ggtgccatct tttagattac atatgagatg 540
tactcgataa tgggtgccctc atagcggcat gtgtttccta aaaataatca atatattgat 600
tgagatttat ctcgat 616

<210> 11759

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-A7

<400> 11759

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cggcggcctc gcctgggcca cggacgacca ctccctccac aacgccttca gcacctacgg 180
cgaggtcttc gagtccaaga tcctctcga tcgggagacg cagaggtccc gcggttcgg 240
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cggtggtggt ggccggcggt acggcggtgg caaccgtggc ggccggctac gcaactccga 540
cgggaactgg aggaactgag cggtggggcc cgcgcggcca aattatctg ttcgctaccg 600
tgttgtttac cctagtccag agtggttatc ttc 633

<210> 11760

<211> 521

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-01-K6-A8
 <400> 11760

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ttgttccgcc gttccttcca ccggctcctt cattgggggg gggggcgggc cgctgctgct 180
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<210> 11761
 <211> 700
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-A9
 <400> 11761

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gtcggggcgt tgcccttggc ggcgttcccg gcgcccgcga gggccggggg gcggaggaac 180
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gtggaggcga ggaagcccgga ggcgggcgccg gcggggcaacg cggggggccga ccgccccgac 600
ggcaacggggg cccccgcgga ggagaatcga gaccacgaca tgccgcannc tgtggaggcn 660
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<210> 11762

<211> 672

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-B1

<400> 11762

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acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcgggtatg 180
tgaaaaccca attcttcaac cctataggat ccaacaggca atcgcagctg gcatcttacc 240
tttatcacc ttgttctctc aacaatcatc agccctatta cagcagttac ctttgggtgca 300
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tgctactct cagcaacaac agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480
atttcttcca ttcaaccaac tgacagcttt gaactctcct gcttatttac agcagcaaca 540
actactacca ttcagccagc tagctgggtgt gagccctgct accttcttga cacaaccaca 600
attgttgccg ttctaccagc acgctgcgcc taacgctggc acctcttac actgcaacat 660
tgctgccatt ca 672

<210> 11763

<211> 655

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B10

<400> 11763

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 cagttttcttc cattcaacca actagctgca ttgaactctg cttcttattt gcaacaacaa 420
 caactaccat tcagccagct acctgctgcc tacccccagc aattttcttc attcaaccaa 480
 ctggcagcat tgaactctcc tgcttattta cagcagcaac aactactacc attcagccag 540
 ctagctgggtg tgagccctgc taccttcttg atacaaccac agttgttgcc gatctaccag 600
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<210> 11764
 <211> 508
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-B11

 <400> 11764

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 ctgcgtcctc tggtgctgct cctgattgtc cccgctctga ctcagcttgc tgtggcaaac 180
 cctgctgtgt ggggtgggggc agctgcttcc attcaaccaa ctgactgtgt cgtactctgc 240
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 tgccttggtg tggcagcaac ccatcgttgg aggtgccatc ttttagatta catatgagat 420
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<210> 11765
 <211> 335
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B2

<400> 11765

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cattgagcct gtagtgggca gttcctggag gagaattcta ctgttctttt ttgtttttcc 180
ggacatctac acggatagac agtagggatt gtttgtgtga agcacggttg gcttatgccg 240
agatttagca ctggtagatg tttctatttg ttttggaaat gctatagaaa catgtgagga 300
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<210> 11766

<211> 700

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B3

<400> 11766

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taccgcacca acccctgtgg cgtctccgct gccattccgc cctactactg attcatgata 600
tttgggaaat ctctctatc catccctctc tatctatata tgtaataatg cagtaagacg 660
acacacatta tcattgtgtg tatgaccaat atatatgcat 700

<210> 11767

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B4

<400> 11767

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cttgtgctag caaaccttgc tgcatactct cagcaacatc agttttcttc atgcaaccaa 180
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ctottacaac tgcaacaatt gctgccattc aaccaacttg ctttgacaaa ctcaacagtg 480
ttctaccaac aacctcatc tgggtgtgcc ctcttttaga ttgcttatga gttatagttc 540
aataatgaag ttttttggat gatgtttgtg gcgtcccaga aatagaagta catttctaga 600
ttcttatg 608

<210> 11768

<211> 673

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B5

<400> 11768

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caatgctcgc aagctcctat agcttccctt ctcccccg acctctcacc agcgggtgtct 180
tcggatatgtg aaaacccaat tcttcaaccc tacaggatcc aacaggcaat cgcagctggc 240
atcttacctt tatcaccctt gttcctcaa caatcatcag cctattaca acagttacct 300
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact aggttcattg 420
aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480

ccccagcaat ttcttccatt caaccaacta gcagcattga actctcctgc ttattttacag 540
cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca 600
caaccacagt tgttgccgtt ctaccagcac gttgcgccta acgctggcac cctcttacac 660
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<210> 11769
<211> 673
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-B6

<400> 11769

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accggggtgt tcgccatggc caccggtgtc atacgaagaa ggtttctcgc cggtagcaac 480
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caacaacagc caaacaagca ggactccgtc tctgtcacca agattggggg atggggtgga 600
ggtggagggt cggcgagga catcacgacg acggagccac cacagcgtct gcacagcctc 660
tccgttcgaa ctg 673

<210> 11770
<211> 152
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-B7

<400> 11770

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<210> 11771

<211> 513

<212> DNA

<213> Zea mays

<223> unsure at all.n locations

<223> Clone ID: LIB3061-082-01-K6-B8

<400> 11771

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 cgacagcatt tacttctatt gagcctctg tgtgactga accctgtgtg ttatttgccg 360
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 tgcattgaac caattggctg ctctgaacct cgctgcttat ttgtgtcagg ggttcttact 480
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<210> 11772

<211> 686

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B9

<400> 11772

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 tcattattcc acaatgtca cttgtccta gtgccattat tccacagttc ctcccaccag 180
 ttacttcaat gggcttcgaa cacctagctg tgcaagccaa catgcaacaa caagcgcttg 240
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gcccgcctgc tgtgggcaat gcacctacat acctgcaaca acaattggtg caacagattg 600
taccagctct gactcaacta gctgtggcaa accctgttgc ctacttgcaa cagctgcttc 660
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<210> 11773

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-C1

<400> 11773

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gaagctatag gagcttgtga gcattgaggg aaaattgtcg cgttagcaac acatgcagaa 180
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taaccaattg gccgcactga acccgcgtgc ttatttgcag cagcaaatac tactaccatt 540
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<210> 11774

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C10

<400> 11774

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<210> 11775

<211> 686

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C11

<400> 11775

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gcgggctgta cccctacgcg gagtacctga ggcagccga gtgcagcccg ctggcgggcg 240
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gctgccagca gcagatgagg atgatggacg tgcagtccgt cgcgcagcag ctgcagatga 360
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cctgtggcgt ctccgctgcc attccgcct actactgatt catgatattt gggaaatctc 600

ctctatccat ctctctctat ctatatatgt aataatgcag taagacgaca cacattatca 660
tgtgtggtat gaccaatata tatgca 686

<210> 11776
<211> 654
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-C2

<400> 11776

ggactttgtt cagagtcac ggcaaagagg tgcaggcatc agcatctgtt gtttgccaat 60
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ttcattcagt gagaaaccaa aaggagacga attaaaggca atgcaagttg acaccacagt 180
gcttggctta tcaaaggagg aagcagaaaa caaaccttat atagcttcaa tggggatcta 240
tatttttaag aaagacatac tcctaaacct tctaagatgg cgttttccca ctgcaaatga 300
ttttggttct gaaataattc ctgcttcagc aaaagaaatc gatgtaaagg cttatctttt 360
caatgattac tgggaagata ttggaactat taagtccttc tttgaggcaa accttgctct 420
tgctgaacag cctccaaggt tcagtttcta cgatgctgac aaaccaatgt atacatcacg 480
gagaaaccta ccaccatcta tggtaacaa taatcactga ttcaatcatt tcccacggat 540
gtttcttggg taactgcagg atagaacata gtgttggttg agttcgttct cggataggct 600
ccaatgtgca cctcaaggat actgtnatgc tntgcgctga ttattatgaa actg 654

<210> 11777
<211> 651
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-C3

<400> 11777

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ctttccctcc ttatgctcct tgctctttct gcatgtgttg ctaacgcgac aattttccct 120
caatgctcac aagctcctat agcttccctt cttcccccat accttccatc aatgatagct 180

tcagtatgtg aaaaccagc tcttcaaccc tataggctcc aacaagcaat cgcagcaagc 240
aacatacctt tatcaccett gtttcaacaa tcgccagccc tatctttggt gcagtcattg 300
gtacaaacca tcaaggcaca gcagctgcag caactcgtgc tacctgtgat caaccaagta 360
gctctggcaa acctttctcc ctactatcag caacaacaat ttcttccatt caaccaacta 420
tctacactga accctgctgc ttatttgcag caacaactat taccattcag ccagctagct 480
actgctact ctcatcaaca acaacttctt ccatttaacc aattggccgc actgaacctc 540
gctgcttatt tgcagcagca aatattacta ccatttagcc agctagctgc agcaagccgt 600
gcttncttct tgacacagca cagttgctgc ctttctccca gcagtttgcg g 651

<210> 11778
<211> 596
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-C4
<400> 11778

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ccgagttccc cgctagtgac ttctcccgac gccgctgcgc cgctctgcc agcggagttc 120
accaagctca ctttccgtag cctgtacatc cgtcggacag gtccaggcag ccgggagatg 180
actgtggacg ggaggccgtc tgaccagctg ggacgacggt tcgtgagcga ctttcccata 240
tacgatggcc gtggctccgg cgcccacctc gtcgctcgct tgcagggagt cactgtccaa 300
atcggcagct cgcaccagct agtcagcatc gtcttcgagg ccgagaggct taagggtccc 360
acgctgctca ccaacggagt gataacggat gggtcagacg agtgggcat ctacggtggc 420
accggggtgt tcgccatggc caccggtgtc atacgaagaa ggtttctcgc cggtagcaac 480
gacgggaact ctgatgagct ntaccagcat cgaagttttc tgcccggcgt ttggctcggc 540
acaacaacag ccaaacaagc aggactccgt ctctgtcacc aaaatgggggt atgggt 596

<210> 11779
<211> 598
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-C5

<400> 11779

cagcacggna gcactcatca gtcactacta ctacttcact agctagctag cagtactcct 60
actcgctaag tagtggagat cgacatgagc caggggcagc cgaggaggcg gcagggcgag 120
gagggcatgc acgcgcagga caatcccgtc aagttcggcg acgtgctcga cgtctcaggc 180
gagctggccg accagcccggt ggctcccaag ggacgccgcg cggctgcagg ccgcggagca 240
gtccgtgctc ggccgggacgc agagggcggg cccgccgccc tcttgagtc cgcgcgacg 300
gtcaacgcgc gagcggggcca cgtaggcagg gccagacgg cgtgccccgt cgcgcgacgc 360
ggcgccaccg tcaccgagac cgagctcgcg ggccgccgcg tcgtcaccga gtccgtcggc 420
gggcaggtgg tggggaagga tggtagcccc ggccgccggtg gcgatgacgg acccgccggg 480
cgcgctggag aaggacgccg tcacgatcgg ccgcgcgtg gaagctgtgg gcgcgatggt 540
cggggacagg ggccgtcgag cagagcgacg cggcgccggt ccaggtcgcg aagctgtg 598

<210> 11780

<211> 694

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C6

<400> 11780

ccttctatca gtaccatcaa tcattcattca tcttagtagt ataggcacca aatcaaattct 60
gcaacatcaa ttatctaact ccaaaaacca tgaagctggt gcttggtggtt cttgctttca 120
ttgcttttagt atcaagtgtt tcttgtagac agacaggcgg ctgcagctgt ggtcaacaac 180
aaagccatga gcagcaacat catccacaac aacatcatcc acaaaaacaa caacatcaac 240
caccaccaca acatcaccag cagcagcaac accaacaaca acaagttcac atgcaaccac 300
aaaaacatca gcaacaacaa gaagttcatg ttcaacaaca acaacaacaa ccgcagcacc 360
aacaacaaca acaacaacaa cagcaccaac aacaacatca atgtgaaggc caacaacaac 420
atcaccaaca atcacaaggc catgtgcaac aacacgaaca gagccatgag caacaccaag 480
gacagagcca tgagcaacaa catcaacaac aattccaggg tcatgacaag cagcaacaac 540

cacaacagcc tcagcaatat cagcagggcc agggaaaaana caacagcaac aatgtcattg 600
ccaggagcag caacagacta caaggtgcag ctataactac tatagcagta gctcaaattct 660
aaaaaattgt catgaattcc taaggcagca gtgc 694

<210> 11781

<211> 678

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C7

<400> 11781

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ctgaggcttc gccgcgaaac cccagacctc gcgcgcgcgc ttcccctccg cggcgctcgtc 120
ctcgcacgct ctccgatcca agatgtataa gctggggaga ggaaaccgcg acaaggtgca 180
gcagttcatg accattaccg gcgccagtga gaaggttgcc cttcaggcac tgaaagctag 240
tgattggcac ttggaaggag cttttgactt cttctatagc caacctcagg tttctgtggt 300
caataactcg catcttgaag atattttcaa cagatataaa gaacctgatg ctgatatgat 360
aatggtggaa ggaatatctc aattttgcaa tgatctgcag gttgatcctc aggatattgt 420
catgcttgtc atatcatggc acatgaaagc cgccacaatg tgtgaattta ctcgtcagga 480
attcattggt ggactgcagt caattggggg agattcaatc gagaagtttc gtggaaaata 540
ccatcattac gagctgagct aaaagatgac aataaattcc gtgatata caactttgca 600
ttcacttggg caagggaaaa ggtcaaaagt ctctctcact ggagacttta tgggatgtng 660
cagttgctat ttgctgaa 678

<210> 11782

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C8

<400> 11782

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ccctccttgc gcttcttgcg ctttttgcga ggcgaacaaa tgcgtccatt attccacaat 120
gctcacttgc tcttagttcc attattccac agttcctccc accagttact tcaatggcct 180
tcgaacaccc agctgtgcaa gcctataggc tacaacaagc gattgcggcg agcgtcttac 240
aacaaccaat tgcccaattg caacaacaat ccttggcaca tctaacaata caaaccatcg 300
caacgcaaca gcaacaacag ttcctaccag cactgagcca cctagccatg gtgaaccctg 360
tcgcctactt gcaacagcag ctgcttgcac ccaaccact tgctctagca aacgtagttg 420
caaaccagca acaacaacaa ctgcaacagt ttctgccagc gcttagtcaa ctagccatgg 480
tgaaccctgc cgcctaccta caacagcaac aactgctttc atctagcccg ctgcgtgtgg 540
ccaatgcacc tacatacctg caacangnaa ttgttgcaac cagattgtac cagctctaac 600
tcagctagct gtggcaaacc ctgttgccca cttgcacagc tgcttcattc aacactaact 660

<210> 11783

<211> 670

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-D10

<400> 11783

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ccttatgctc cttgggtcttt ctgcaagtgc tgctacggcg accattttcc cacaatgctc 120
acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcggtatg 180
tgaaaaccca attcttcaac cctataggat ccaacaggca atcgcagctg gcactctacc 240
tttatcacc cttgttctcc aacaatcctc agccctatta cagcagttac ctttggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgctactct cagcaacaac agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480
atttcttcca ttcaaccaac tgacagcttt gaactctcct gcttatttac agcagcaaca 540
actactacca ttcagccagc tangctgggtg tgagccctgc taccttcttg acacaccaca 600
attgttgccg ttctacagca cgctgcgcct aacgctggca ccctcttaca ctgcaacatt 660
gctgccattc 670

<210> 11784
<211> 492
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-D11

<400> 11784

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caactgattt catctagccc tctcgtgtg gttaatgcac ctacatacct gcaacaacag 120
ttgctgcaac agattgtacc agctctgact cagctagctg tggcaaacc tgctgcctac 180
ttgcaacagc tgcctccatt caaccaactg actgtgtcga actctgctgc gtacctacaa 240
cagcgacaac agttacttaa tccactagcg gtggctaacc cattggctcg tgccttccta 300
cagcagcaac aattgctgcc atacaaccag ttctctttga tgaaccctgc cttgttgtgg 360
cagcaacca tcgttgagg tgccatcttt tagattacat atgagatgta ctcgataatg 420
gtgcctcat agcggcatgt gtttcctaga aataatcaat atattgattg agatttatct 480
cgatatattt ct 492

<210> 11785
<211> 625
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-D2

<400> 11785

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tgaaccctgt cgcctacttg caacagcagt tgcttgcac caaccactt gctctggcaa 120
acatagttgc ataccaaaa caacaacaat tgcaacagtt tctaccagcg ctcatcaac 180
tagccatggt gaaccctgcc gcctacctac aacagcaaca actgatttca tctagccctc 240
tcgctgtggt taatgcacct acatacctgc aacaacagtt gctgcaacag attgtaccag 300
ctctgactca gctagctgtg gcaaaccctg ctgcctactt gcaacagctg cttccattca 360
accaactgac tgtgtcgaac tctgctgcgt acctacaaca gcgacaacag ttacttaatc 420
cactagcggg ggctaacca ttggtcgtg ccttcctaca gcagcaaaa ttgctgccat 480

acaaccagtt ctctttgatg aaccctgect tgttgtggca gcaacccatc gttggaggtg 540
ccatctttta gattacatat gagatgtact cgataatggg gccctcatag cggcatgtgt 600
ttcctagaaa taatcaatat attga 625

<210> 11786

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-D3

<400> 11786

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caatgggctt cgaacatcca gccgtgcaag cctacaggct acaactagcg cttgcggcga 120
gcgcccttaca acaaccaatt gcccaattgc aacaacaatc cttggcacat ctaaccctac 180
aaaccattgc aacgcaacaa caacaacaac aacagtttct gccatcactg agccacctag 240
ccgtgggtgaa ccctgtcacc tacttgcaac agcagctgct tgcattccaac ccacttgctc 300
tggcgaacgt agctgcatac cagcaacaac aacagctgca acagtttatg ccagtgtctc 360
gtcaactagc catggtgaac cctgccgtct acctacaact actttcatct agcccgctcg 420
cgggtgggcaa tgcacctacg tacctacaat ttgttgacgc aacaaattgt accagctctg 480
actcagctag ctgtggcaaa ccctgctgcc tacttacaac agttgcttcc atttcaacca 540
actggctgtg tcaaactctg ctgcgtacct acaacagcga caacagttac ttaatccatt 600
ggcagtggtt aaccattggg tcgcta 626

<210> 11787

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-D4

<400> 11787

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gcccttattt tacagcagtn tnnacctttg nngtccattt gnngtggcac aaaacatcag 120

ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcatactctc agcaacatca 180
 gttttcttcca ttcaaccaac tggtgcatt gaactctgct gcttatttgc aacaacaatt 240
 accattcagc cagctagtgt ctgcctaccc ccagcaattt cttccattca accaactagc 300
 agcattgaac tctgctgctt atttacagca gcaacaacta ctaccattca gccagctagc 360
 tgatgtgagc cctgctgcct tcttgacaca acaacagttg ttgccgttct acctgcacgc 420
 tatgcctaac gctggcacc tcttacaact gcaacaattg ctgccattca accaacttgc 480
 tttgacaaac tcaacagtgt tctaccaaca acccatcatn tgggtgggtgcc ctctttttaga 540
 ttgcttatga gttatagttc aataatgaag ttttttggat gatgtttgtg gcgtccc 597

<210> 11788

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-D5

<400> 11788

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 ggccctcact gagcagcctt ccaagtttga tttttatgat ccaaaaacac ctttcttcac 120
 tgcacccoga tgcttgcttc cgacgcaatt ggacaagtgc aagatgaaag atgcatttat 180
 ctcagatggg tgcttactga gagaatgcaa catcgagcat tctgtgattg gagtctgctc 240
 acgtgtcagc tctggatgtg aactcaagga ctccgtgatg atgggagcgg acacctatga 300
 aactgaagaa gaagcttcaa agctactgtt agctgggaag gtcccagttg gaataggaag 360
 gaacacaaag ataaggaact gtatcattga catgaatgct aggattggga agaacgtggt 420
 gatcacaac agtaagggca tccaagaggc tgatcaccgc gaaaaagggt actacataag 480
 gtctggaatc gtgggtgatct tgaagaatga accatcaacg atgggtctgt catatagatc 540
 gnctgcgttt gcgtctacaa aacaagaacc acaatggtat tgcacgatg gaatcgtgta 600
 accttggtat ggta 614

<210> 11789

<211> 683

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-D7

<400> 11789

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aagctcctat agcttccctt ctcccccggt acctctcacc agcgggtgtct tcggtatgtg 180
aaaaccaat ttttcaaccc tacaggatcc aacaggcaat cgcagctggc atcttacctt 240
tatcaccctt gttcctccaa caatcatcag cctattaca gcagttacct ttggtgcatt 300
tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 360
cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg aactctgctt 420
cttatttgca acaacaacaa ctaccattca gccagctacc tgttgcttac cccaacaat 480
ttcttccatt caaccaactg gcagcattga actctcctgc ttatttacag cagcaacaac 540
tactaccatt cagccagcta gctggtgtga gccctgttac cttcttgaca caaccacagt 600
tggtgccgtt ctaccagcac gctgcgccta acgtggcac cctcttacac tgcaacattg 660
ctgccattca acaacttgct ttg 683

<210> 11790
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-D9

<400> 11790

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ccattcagcc agctacctgc tgcctacccc cagcaatttc ttccattcaa ccaactagca 120
gcattgaact ctctgtctta ttacagcag caacaactac taccattcag ccagctagct 180
ggtgtgagcc ctgctacctt cttgacacaa ccacagttgt tgccgttcta ccagcacgtt 240
gcgcctaacy ctggcacctt cttacaactg caacaattgc tgccattcaa ccaacttgct 300
ttgacaaacc cagcagtgtt ctaccaacaa cccatcattg gtggtgccct cttttagatt 360
tcttatgagt tatagttcaa taataaagtt ttttatctga tgtttggtggc ttcccagaaa 420

taagaaagta catttctaga ttctt

445

<210> 11791

<211> 699

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E1

<400> 11791

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gattttttgcc atccttgccc tccttgcctt ttcagcaagc gttgctaccg cgactattat 120
tccacaatgc tcacaacaat acctctctcc ggtgacagcc gcgagatttg aatacccaac 180
tatacaatcc tacaggctac aagaggccat cgcagcaagc atcttacggt cgttagcatt 240
gaccgtccaa caaccatatg ccctattgca acaaccatcc ttaatgaatc tatactctca 300
aagaatcgca gcacaacaac tacaacaaca gttgcttcca acaatcaatc aagtagttgc 360
agcgaacctt gctgcttacc tccagcaaca acaatttctt ccattcaatc aactagctgg 420
ggtgaaccct gctgcttact tgcaggcaca acagctacta ccattcaacc aactgtcag 480
gagccctgct gccttcttac tgcagcaaca gttgcttcca ttccatctac aagttgtggc 540
aaacattgct gctttcttgc aacaacaaca acaattgctg ccattttaac ccacaggttg 600
tgggaaacat taacgccttc ttgcacagca acagttgcta ccattctacc cacagnatgt 660
ggcaaacaat gtcgccttct tacacaacna acatgctgc 699

<210> 11792

<211> 671

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E11

<400> 11792

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gctccttggt ctttctgcaa gtgttgctac cgcaaccatt ttcccacaat gctcacaagc 120
tcctatagct tcccttcttc ccccatacct ctcaccagcg gtgtcttcaa tgtgtgaaac 180

cccaattgtt caaccctaca ggatccaaca ggcaatcgca acaggcatct taccattatc 240
 acccttggtc ctccaacaac cgtcagccct attacagcag ttacctttgg tccatttggt 300
 ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgcata 360
 ctctcagcaa catcagtttc ttccattcaa ccaactggct gcattgaact ctgctgctta 420
 tttgcaacaa caattaccat tcagccagct agttgctgcc taccgccagc aatttcttcc 480
 attcaaccaa ctagcagcat tgaactctgc tgcttattta cagcagcaac aactactacc 540
 attcagccag ctagctgatg tgagccctgc tgcttcttg cacaacaaca gttgttgccg 600
 ttctacctgc acgctatgac taacgctggc accctcttac actgcacaat tgctgccatt 660
 caacaacttg c 671

<210> 11793
 <211> 619
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-E12

<400> 11793

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 gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag 180
 caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa 240
 caactactac cattcagcca gctagctggt gtgagccctg ctaccttctt gatacaacca 300
 cagttggtgc cgttctacca gcacgtgcg cctaacgctg gcaccctctt acaactgcaa 360
 caattgctgc cattcaacca acttgctttg acaaaccag cagcgttcta ccaacaacc 420
 atcattggtg gtgccctctt ttagatttct tatgagttat agttcaataa taaagttttt 480
 tgtctgatgt ttgtggcttc ccagaaataa gaaagtacat ttctagattc ttatgtgctt 540
 ctagctcca aatgtggttg atagttattt tgctctaaga tcgacagtaa tgaagtataa 600
 atcatcgttg tggtgtaaa 619

<210> 11794
 <211> 688
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E2

<400> 11794

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gcctaccatg gctgatcacc accgggggtgc gacgggaggt ggcggggggt acggcgacct 120
ccagcgcggg ggcggcatgc acggcgaggc gcagcagcag cagaagcagg gcgccatgat 180
gacggcgctc aaggccgcga cggccgcgac cttcggcggg tcgatgctgg tgctgtccgg 240
gctgatectg gccggcaccg tgatecgcgt cacgggtggc acccccgtgc tggatgacct 300
cagcccgggtg ctggtgcccg gccgccateg cgctggcgtc catggcggcc gggttcgtca 360
cctccggcgg cctcggcgtc gctgcgctgt ccgtgttctc ctggatgtac aagtacctga 420
cgggcaagca cccgccgggc gccgaccage tggaccacgc caaggcgagg ctggcgtcca 480
aggcccgcga catcaaggat gcagcacagc accgcatcga ccaggcgag gggctctgag 540
agaagaaccc actcgagcgn accgcgcgcg cgacctcctt gaaccactgc nncgcgcgcg 600
gcatatggcc cttaaaggcn gtggctgctg ctacgacgct gccgtagagt ctcggtcgcc 660
gcgatactta gctagtcgtt atgtgtga 688

<210> 11795

<211> 138

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-E3

<400> 11795

gggggggggg ggtgcaaaaa aaaatcgggg gggcacctg atcctttccc tccttctgct 60
ccttgccttt tctgcctgtg ttgcttccgc gtcgcttttc cctcgttgct cacaagctcc 120
tattcttttc cttcttcc 138

<210> 11796

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E4

<400> 11796

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tccacaatgc tcacttgctc ctagtgccat tattccacag ttcctcccac cagttacttc 120
aatgggcttc gaacacctag ctgtgcaagc caacatgcaa caacaagcgc ttgcggcgag 180
cgtcttataa caaccaattg cccaattgca acaacaatcc ttgccacatc taacaatata 240
agccatcaca acgcaacagc aacaacagtt cctaccagca ctgagccacc tagccatggt 300
gaaccctgcc gcttacttgc aagagcagct gcttgcatcc aaccacttg ctctggcgaa 360
cgtagttagc aaccagcaac aacaacagct acaacagttt ctgccaacgc tcagtcaact 420
agccatggtg aaccctgccg cctacgtaca acaacaacaa ctgctttcat ctagcccgct 480
cgctgtgggc aatgcaccta catacctgca caacaattgt tgcaacagat tgtaccagct 540
ctgactaact agctgtggca aaccctggtg cctacttgca acagctgctt ccattcaacc 600
aactgactct gtcgaacttn gctgcgtacc tacacagcga caacagttac tta 653

<210> 11797

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E5

<400> 11797

gaaaaactac ccgatcgtct tgggggtattg tttgtcatcc gccttcctcc agttgtcaga 60
gttattgcac agacatttct tcaagatata aaccaacctg actacaagtt aaagatgctc 120
tgtaaaaagg aaggatcagt ttgactatat ctttttgctg gtagattgca atatcacatg 180
gtatccgtgg agatgaggac gacattgcct ccaagtctgc tccaccggca tccatcgacg 240
gtgcaagatc cagcagatag attgatggca aagaggacga ctccatgtcc aggcgtactc 300
cccgccttgc atcgagattg ctaggtcata atcgaagggt ttacaggnga ggagatctga 360
acatagctct tcaatcccaa agttaacatc gttggttacc ataattctta ctgcttgcaa 420
gcccttttag aatattactg ctgagagggt cttgcaagtc cttgatgaag aagtcgaagg 480
tgacgaacgc cgaggccgct atcctgatcg acgccaagaa cctcacagcg cacctccttg 540

tgatgctctt ttctccaatg tcttctctta tctacatgca ggaaaaaact acatgttgat 600
ggcgtggatc 610

<210> 11798
<211> 669
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-E6

<400> 11798

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tctttctgca agtgctgcta cgcgaaccat tttcccacaa tgctcacaag ctcttatagc 120
ttcctttctt ccccatatcc tctcaccagc ggtgtcttca gtatgtgaaa acccaattct 180
tcaaccctac aggatccaac aggcaatcgc agcaggcatc ttacctttat cacccttgtt 240
cctccaacaa cgcgcagccc tattacagca gttacctttg gtgcatttgt tggcacaaaa 300
catcaaggca caacaactac aacaacttgt gctaggaaac cttgctgcct actctcagca 360
acagcagttt ctccattca accaactggc tgcattgaac tctgctgctt atttgcaaca 420
acaactacca ttcagtcagc tagctgctgc ctacccccag caatttcttc cattcaacca 480
actggcagca ttgaactctg ctgcttattt acaacagcaa cagctaccac cattcagcca 540
gctagctgat gtgagccctg ttgccttctt gaccaacaac agttgttgcc gttctacctg 600
cacgctgcgc ctaacgctgg caccctctta caactgcaac aattgctgcc attcaaccaa 660
cttgctttg 669

<210> 11799
<211> 657
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-E8

<400> 11799

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aagcgaagc agggttcagg atcggacggg gatggctgca gcggcagcga gggagagcag 120

accaagaggg cgaggaggga ggagaagcgg aggcaggcga aagggaaagc cgtggcgcct 180
 cagatcgaca egggcttggt cagcaacgtc cccctgagc tgttcttgca gatcttcaag 240
 ttcctctcct ccgaggacct catctcctgc gctctagtct gccgcttcat gaatgctgcc 300
 gcgtccgacg agacctctg gcgcgcctg tactgcatga ggtggggact ggctccaat 360
 gccaaattca gggagtgcgc ttggaagaac ctctacatac agagagatag agaggatatg 420
 gttgaatttg tgaggaatac tcctacagag ttcaaggagt actatattca gatgcaggct 480
 gcaaaaagga gtcaagctcc ccgtccgtca gaagtcaacg acgacaaggt tatgcttgat 540
 aagacagtag ctgaccaggt atctagttgg aaaacagccg gnggcttact gatgaagctg 600
 tcaagggcac tcttgttctg gaaaacatgc tcgtacaccc anattggtga tgcttac 657

<210> 11800
 <211> 587
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-082-01-K6-F1

 <400> 11800

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 tgcataccaa caacaacaac aattgcaaca ggttctacca gcgctcagtc aactagccat 120
 ggtgaaccct gccgtctacc tacaacagca acaactgatt tcctctagcc ctctcgctgt 180
 ggttaatgca cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac 240
 tcagctagct gtggcaaacc ctgctgccta cttgcaacag ctgcttccat tcaaccaact 300
 gactgtgtcg aactctgctg cgtacctaca acagcgacaa cagttactta atccactagc 360
 ggtggctaac ccattggtcg ctgccttcct acagcagcaa caattgctgc catacaacca 420
 gttctctttg atgaaccctg ccttggttggt gcagcaaccc atcgttggag gtgccatctt 480
 ttagattaca tatgagatgt actcgataat ggtgccctca tagcggcatg tgtttcctag 540
 caataatcaa tatattgatt gagatttatc tcgatataaa aaaacaa 587

<210> 11801
 <211> 331
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-F11

<400> 11801

ctcagctagc tgtggcaaac cctgctgcct acttacaaca gttgcttcca ttcaaccaac 60
tggctgtgtc aaactctgct gcgtacctac aacagcgaca acagttactt aatccattgg 120
cagtggctaa cccattgggc gctaccttcc tgcagcagca acaacaattg ctgccataca 180
accagttctc tttgatgaac cctgccttgc agcaacccat cgttggaggt gccatctttt 240
agattacata tgagatgtac tcgacaatgg tgccttcata ccgacatgtg tttcctagaa 300
ataatcaata tattgattga gatttatctc g 331

<210> 11802

<211> 124

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-F3

<400> 11802

caacaaccca tcattggtgg tgcctcttt tagattgctt atgagttata gttcaataat 60
gaagtttttt ggatgatgtt tgtggcgctc cagaataaga aagtcatttc tagattctta 120
tgtg 124

<210> 11803

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-F4

<400> 11803

tggctggtac atgagaagat aaaagagagt caagtcaatt tcaagtactt ttgtgacttt 60
ttcaaagtgt ggggaacttg aagcgaacga tttttatgaa gatactcttt atgaggatca 120
ccttacgtag ttgtatacaa gaaacttgga cactagagcc tgggcatctt actgcttttt 180
gcaacacttg cttctcttct gatggaatgt ttgtaagttg ttgactgtgc ttcgctgaga 240
accatagagg gcacagtga ttttgaatt tgatgggagc ctgaggatt tgcctttgta 300

gagtttgttg atccttacga tgectctgaa gccagtatc acatgaatcg ccaagttttc 360
 tttggtcggg aaatagctgt tgttcttgct gctgagtcac gaaaaaggcc agaagaaatg 420
 cgcagcagaa ctagagtaag aggttactct ggtcatgaag gtcgccggtc ttcttactat 480
 ggtcgggtctc gttctcgctc tctctgctat cggggccgctc ctccggtcgag atcatactct 540
 cctgctccaa ggcgnggaa tgactactct gcctctccaa ggagacagga agcccatcgc 600
 tcatctcttc ccaggcgctt gccaaaggag catgatga 638

<210> 11804

<211> 682

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-F6

<400> 11804

gcttgctccg gtgccattat tccacattcc noctccattc ttcattgggtc tcgaacaccc 60
 agctgtgcaa gcctataggc tacaacaagc gcttgccggc agcgtcttag aacaaccaat 120
 tgcccaatta caacaacaat ccttggcaca tctaaccata caaaccatcg caacgcagca 180
 gcaacaagca ctgagccacc tagccgtggt gaaccctatc gcctacttgc aacaacagct 240
 gcttgcatcc aaccacttg ctttggcaaa cgtagctgca taccaacaac aacaacagtt 300
 gcaacagttt ctaccagcgc tcagtcaact agccatggtg aaccctatcg cctacctaca 360
 acagcaacaa cttctttcat ctagcccgtc cgctatgggc aatgcaccta catacctgca 420
 acaacagttg ttgcaacaac agttgctgca acaaattgta ccagctctta ctcagctagc 480
 tgtggcaaac cctgctgcct acttgcaaca actacttcca ttcaaccaac tgactgtgtc 540
 gaactctgct gcgtacctac aacagcgaca acagttactt aatccactag cgggtggctaa 600
 cccattgggc gctgccttcc tacagcagca acaattgctg ccatacaacc agttctctnt 660
 gatgaaccct gccttgctgt gg 682

<210> 11805

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-F7

<400> 11805

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actttccctc cttatgctcc ttgctctttc tgcattgtgt gctaacgcca caattttccc 120
tcaatgctca caagctccta tagcttccct tcttccccca taccttccat caatgatagc 180
ttcagtatgt gaaaaccag ctcttcaacc ctataggctc caacaagcaa tcgcagcaag 240
caacatacct ttatcaccct tgtttcaaca atcgccagcc ctatctttgg tgcagtcatt 300
gggtacaaacc atcaaggcac agcagctgca gcaactcgtg ctacctgtga tcaaccaagt 360
agctctggca aacctttctc cctactatca gcaacaacaa tttcttccat tcaaccaact 420
atctacactg aacctgctg cttatttgca gcaacaacta ttaccattca gccagctagc 480
tactgcctac tctcatcaac aacaacttct tccatttaac caattggccg cactgaacct 540
cgctgcttat ttgcagcagc aaatattact accatttagc cagctagctg cagcaagccg 600
tgcttccttc ttgcacagca cagttgctgc ctttctccag cagtttgccg c 651

<210> 11806

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-G1

<400> 11806

cattgccagg agcagcaaca gactacaagg tgcagctata actactatag cagtagctca 60
aatctaaaaa attgtcatga attcctaagg cagcagtgca gccctttggg aatgcctttt 120
ctccaatcac gtttgataca accaagtagc tgccaggat tgcagcaaca atgttgcat 180
gatcttaggc agattgagcc acaatacatt caccaagcaa tctacaacat ggttcaatcc 240
ataatccagg aggagcaaca acaacaacca tgtgagttat gtggatctca acaagctact 300
caaagtgcgg tggcaatctt gacagcagca caatacctac catcaatgtg cggcttgtag 360
cactcatact accaaaataa tccatgcagc agcaatgaca ttagtggtgt ttgcaattg 419

<210> 11807

<211> 659

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-G10

<400> 11807

gcaacatagn aaagcacaat agtgtaccaa caatggcagc taaaatattt tgctcctta 60
tgctccttgg tctttctgca agtgtgtgta cggcgaccat tttcccacaa tgctcacaag 120
ctcctatagc ttcccttctt ccccggtacc tctcaccaac ggtgtcttcg gtatgtgaaa 180
acccaattct tcaacccctac aggatccaac aggcaatcgc agctggcatc ttacctttat 240
cacccttgtt cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactage tgcattgaac tctgcttctt 420
atttgcaaca acaacaacta ccattcagcc agctatctgc tgctacccc cagcaatttc 480
ttccattcaa ccaactgaca gcattgaact ctctgtgta tttacagcag caacaactac 540
taccattcag ccagctagct ggtgtgagcc ctgtacctt cttgacacaa ccacagttgt 600
tgccgttcta ccagcacgct gcgcctaacy ctggcacccct cttacactgc aacattgct 659

<210> 11808

<211> 732

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-G11

<400> 11808

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acagagcaac aatggcgacc aagatatttt cctccttat gctccttgct ctttctgcat 120
gtgttgctaa cgcgacaatt ttccctcaat gctcacaagc tctatagct tcccttcttc 180
ccccatacct tccatcaatg atagcttcag tatgtgaaaa ccagctctt cagccctata 240
ggctccaaca agcaatcgca gcaagcaaca tacctttatc acccttggtg tttcaacaat 300
cgccagccct atctttggtg cagtcattgg taaaaccat cagggcacag cagctgcagc 360
aactcgtgct acctgtgatc aaccaagtag ctctggcaaa cctttctccc tactctcagc 420
aacaacaatt tcttccattc aaccaactgt ctacactgaa cctgctgct tatttgcagc 480

aacaactatt accattcagc cagctagcta ctgcctaactc tcagcaacaa caactttcttc 540
catttaacca attggccgca ctgaacccccg ctgcttattt gcagcagcaa atactactac 600
catttagcca gctagctgca gcaaaccgtg cttccttctt gacacagcaa cagttgctgc 660
ctttctacca gcagtttgcg gctaacccccg caacctctt acaactacaa caattgttgc 720
cctttgtcca ac 732

<210> 11809

<211> 693

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-G2

<400> 11809

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accaagatat tagccctcct tgcgcttctt gccctttttg tgagcgcaac aaatgcgttc 120
attattccac aatgctcact tgctcctagt gccattattc cacagtctct cccaccagtt 180
acttcaatgg gcttcgaaca cctagctgtg caagccaaca tgcaacaaca agcgcttgcg 240
gcgagcgtct tacaacaacc aattgcccac ttgcaacaac aatccttgcc acatctaaca 300
atacaagcca tcacaacgca acagcaacaa cagttcctac cagcaactgag ccacctagcc 360
atggtgaacc ctgccgccta cttgcaagag cagctgcttg catccaaccc acttgctctg 420
gogaacgtag ttgcaaacca gcaacaacaa cagctacaac agttttctgcc aacgctcagt 480
caactagcca tgggtgaacc tgccgcctac gtacaacaac aacaactgct ttcacttagc 540
ccgctcgctg tgggcaatgc acctacatac ctgcaacaac aattgttgca acagattgta 600
ccagctctga ctcaactagc tgtggcaaac cctgttgctt acttgncaca gctgcttcca 660
ttcaaccaac tgactctgtc gaactctgct gcg 693

<210> 11810

<211> 701

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-G3

<400> 11810

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gcaggagaaa cctcactgac agccccgtat ttgacggccg tggccctgac gccagcctcg 120
tggctcgcgt acagggagtc gctacccaga tgggcgacgt gcgccagttg tacaccgtcg 180
tgttccagga gaggccgctc aagggctcca cgctcgtcac cgaaggcgcg atgacagaag 240
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taaggagaac gtttcttgcc gacacgagcg gcgggaactc cgacgagctt gccgtggagg 360
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aggacatcag ctccaccgtc gtcgtcacca aggtcggagt gtgggggtgga gagggagggg 480
cggcgcanga catcgcgacg acggagccgc cgaggcgtct gcagagcctg accgtccgcg 540
ccggcggttg cgtggactcc atcgagttca cctacagtac cgacacaggt ggtcagacgc 600
gcaccgctgg gcgatggggg ggacttggcg gncacgtccg gaagctcgat cttggcgacg 660
ctgaatacgt caaggaggtt tctggaacgt acggcgcatt c 701

<210> 11811

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-G4

<400> 11811

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gcggctgcgg ctgccagcca ccgccgccg ttcatctacc gccgccggtg catctgccac 180
ctccggttca cctgccacct ccggtgcac tcccaccgcc ggtccacctg ccgccgccg 240
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aacagccgca tccaagcccg tgccagctgc agggaaacct cggcggttggc agcaccgccg 420
tcctgggcca gtgcgtcgag tttctgaggc atcagtgcag cccgacggcg acgccctact 480
gtcgcctca gtgccagtcg ttgcggcagc agtgttgcca gcagctcagg caggtggagc 540

cgcagcaccg gtaccaggcg atcttcgggt tggctctcca gtccatcctg cagcagcagc 600
cgcaa 605

<210> 11812

<211> 613

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-G6

<400> 11812

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gcgcttcttg cccttttagt gagcgcaaca aatgcgttca ttattccaca gtgctcactt 120
gctcctagtg ccattattcc acagttcctc ccaccagtta cttcaatggg cttcgaacat 180
ccagccgtgc aagcctacag gctacaacta gcgcttgcg cgagcgcctt acaacaacca 240
attgccaat tgcaacaaca atccttggca catctaacc taaaaacat tgcaacgcaa 300
caacaacaac aacaacagtt tctgccatca ctgagccacc tagccgtggg gaaccctgtc 360
acctacttgc aacagcagct gcttgcattc aaccacttg ctctggcgaa cgtagctgca 420
taccagcaac aacaacagct gcaacagttt atgccagtgc tcagtcaact agccatgggtg 480
aaccctgccg tctacctaca actactttca tctagccgcg tcgcggtggg caatgcacct 540
acgtacctac aacaacagtt gctgcaacaa attgtaccag ctctgactca gctagctgtg 600
gcaaaccctg ctg 613

<210> 11813

<211> 672

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-G7

<400> 11813

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ggcttttctg caagtgttgc taccgcaacc attttccac aatgttcaca agctcctata 120
gcttcccttc tcccccata cctctacca gcggtgtctt caatgtgtga aacccaatt 180

gttcaaccct acaggatcca acaggcaatc gcaacaggca tcttaccatt atcacccttg 240
 ttcttccaac aaccgtcagc cctattacag cagttacctt tgggtccattt ggtggcacia 300
 aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc atactctcag 360
 caacatcagt ttcttccatt caaccaactg gctgcattga actctgctgc ttatttgcaa 420
 caacaattac cattcagcca gctagtgtgt gcctaccccc agcaatttct tccattcaac 480
 caactagcag cattgaactc tgctgcttat ttacagcagc aacaactact accattcagc 540
 cagctagctg atgtgagccc tgctgccttc ttgacacaac aacagttggt gccgttctac 600
 ctgcacgcta tgcctaacgc tggcaccttc ttacaactgc aacaattgct gccattcaac 660
 caacttgctt tg 672

<210> 11814
 <211> 697
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-G8
 <400> 11814

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 cctcaatact cacaagctcc tatagctgcc cttcttcccc cataccttcc atcaatgacc 180
 gcttttagtat gtgaaaaccc agcccttcaa cctacagga tccagcaagc aatcgcaaca 240
 agcaacttac ctttatcaca cctgttcttt caacaatgc cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggagaaacag ttgcagcaac tctgtctacc agtgatcagc 360
 caagtagctc tggcaaacct tccccctac tctcagcaac aacaatttct tccattcaac 420
 caactgtcta tactgaaccc tgctgcttat ttgcagcaac aacaactact accattcagc 480
 cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 540
 ctgaaccctt ctgcttattt ccagcagcaa atactactac catttgGCCa gctagctaca 600
 acaagccccg ctttcttctt gacacaacaa caagtgtctc cgttctacca gcagtttgtg 660
 gctaaccctg caaccctctt acaactgcac agtttgt 697

<210> 11815
 <211> 562
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-G9

<400> 11815

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 tacaacaact tgtgctagca aaccttgctg cctactctca gcaacagcag tttcttccat 120
 tcaaccaact agctgcattg aactctgctt cttatttgca acaacaacaa ctaccattca 180
 gccagctacc tgctgcctac ccccagcaat ttcttccatt caaccaactg gcagcattga 240
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 gccctgctac cttcttgata caaccacagt tggtgccgtt ctaccagcac gctgcgccta 360
 acgctggcac cctcttacia ctgcaacaat tgctgccatt caaccaactt gctttgacaa 420
 acccagcagc gttctaccaa caaccatca ttggtgggtgc cctcttttag atttcttatg 480
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<210> 11816
 <211> 686
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-H1

<400> 11816

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 tgctcgcaag ctctatagc ttcccttctt ccccgctacc tctcaccagc ggtgtcttcg 180
 gtatgtgaaa acccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc 240
 ttacctttat cacccttggt cctccaacaa tcatcagccc tattacaaca gttacctttg 300
 gtgcatttat tggcacaata catcagggca caacaactac aacaacttgt gctagcaaac 360
 cttgctgcct actctcagca acagcagttt cttccattca accaactagg ttcattgaac 420

tctgtcttctt atttgcaaca acaacaacta ccattcagcc agctacctgc tgcctacccc 480
cagcaatttc ttccattcaa ccaactagca gcattgaact ctctgtctta ttacagcag 540
caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa 600
ccacagttgt tgccgttcta ccagcacgtt gcgcctaacg ctggcaccct cttacactgc 660
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<210> 11817

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-H10

<400> 11817

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acaaagaggg catcccccca gaccagcagc gtctgatctt cgctggcaag cagctggagg 120
atggccgcac ctagcagac tacaacatcc agaaggagag cactctccac ctgggtgctcc 180
gcctccgtgg tggtcagtaa gccatggttc atttaagctg ctgctgtacc tgggtatctg 240
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ggtttgtgtg tcatgaatcg tggttgtggc ttcgttggtt taatggacct gttgtgtcct 360
ctgtgttgta cccaaaactc ttctgcagca gtatggcttg aatccttatg aaaaaaaaaa 420
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaann aaaaaaana aaaaaaaaaa 480
nanaaanann aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg gcgggccgct 540
tttaaaggct cacaatttta tttccccggg cttgcagacg taaaagtttt tttattgggg 600
cccca aa 607

<210> 11818

<211> 695

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-H12

<400> 11818

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 accaagatat tttccctcct tatgtctcct gctctttctg catgtgttgc taacgcgaca 120
 attttccctc aatgttcaca agctcctata gcttcccttc tccccccata ccttccatca 180
 atgatagctt cagtatgtga aaaccagct cttcagccct atagggtcca acaagcaatc 240
 gcagcaagca acataccttt atcaccccttg ttgtttcaac aatcgccagc cctatctttg 300
 gtgcagtcac tggtaaaaac catcagggca cagcagctgc agcaactcgt gctacctgtg 360
 atcaaccaag tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca 420
 ttcaaccaac tgtctacact gaaccctgct gcttatttgc agcaacaact attaccattc 480
 agccagctag ctactgccta ctctcagcaa caacaacttc ttccatttaa ccaattggcc 540
 gcaatgaacc ccgctgctta tttgcagcag caaatactac taccatttag ccagctagct 600
 gcagcaaacc gtgcttcctt cttgacacag caacagttgc tgcctttcta ccagcagttt 660
 ggggctaacc ccgcaaccct cttacactac aacaa 695

<210> 11819
 <211> 682
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-H5

 <400> 11819

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 ccacgaaaga aatatgtgtc cggggatgca cggggttctt atagttccac caacagtaca 120
 ccgggcagca agccaacata tcaggatgct tctgagagag ccaagctgct agatgctctc 180
 cggcactcgc aaacacgtgc tagggaagcc gagatagctg ccaagaaagc gtatgacgag 240
 aaggaccatg tcatcaagct actgttccgt caagcctcac acctcttcgc atgcaagcag 300
 tggttgaaaa tgctgcagct ggaaaacata tgccttcagc tcagggttcaa agaaccaccag 360
 atagcaacca tggtcccga ccttccatgg atgttggtga aggaaaaggt agcaccgtct 420
 caagagcaca atgaaggggc taggaagaaa ggcaaaaggc caaacaggaa aggtggcctc 480
 tgcgatgccg ttgcatttgc tgttggtgtt ggtatcggtg gtgctggatt gcttcttggg 540

tggactcttg ggtggctact gccctagctg gaagttccat cgacttccat gaccgtaaag 600
 gtgacaggat aaatgcctcc tgtgcacact agattgaatg gcaatacatt gcatggcaat 660
 aggtaagttt caagtgtgtg ct 682

<210> 11820
 <211> 697
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-H6
 <400> 11820

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 gccggggggtt cgttctctgct cggcgcgctc tccgtcgagt ccaatcccaa tcccaagctc 180
 aagcccagca gggctccgctg cgcgcgccgc gccgcgcgca cgctgtacga ggtcctgggc 240
 ctgcgcgcgc gcgcgacggg ccgggagatc aaggccgcgt accgggcgct ggcgcgggag 300
 cggcaccggg acgtggcgca cgcgcccggg gccgcgcgcg agttcgcccc cctgcacgac 360
 gcctacgcca cgctctccga cccggacagc cgcgcgcgct acgacggcgg cggcgccgcg 420
 cccgcggcgg cgggtggcgag gcgcccctgg agcggcgccg tctacggccg gccccgacgc 480
 cgcacatggg agacggacca gtgctggtag tagagagtag agaggcacag ccaagagccc 540
 cacgcgcttc ttgtctgtct gtagaatagt tagacctcct gccgccagcc atgcggccat 600
 ggcggtcac cttggactnt ttttttggtt tcggtggcca tccatgtagc gtgatttttc 660
 gttttccttc ctccacttgc cctagtagct gtgtgct 697

<210> 11821
 <211> 585
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-01-K6-H7
 <400> 11821

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 ttgtttactt tgcgcttttc aaactatatt tgaacactgt taagtcgac atacttgaat 120

tgtactgcat cttatgtttg tgattgtcat gtaatctgaa gatgcctctg tattgtggtg 180
gcttgtttct gctgagattc cgaccaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg ggcccttttt aaaggtccaa 360
attttactac ccggtgtttc caacttaaaa tttttttttt agggccccc aaataaaatc 420
aatgggcccgg tttttaaaa cggggggtgg ggaaaaaccc tggggtcccc aaattaaatc 480
ccttggaaaa aaatccccctt ttccaagtg gggtaaaaac aaaaaaggcc cacccttttc 540
ccctttccaa actttggccc atcttaatag gaaaaggga ccccc 585

<210> 11822
<211> 689
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-082-01-K6-H9
<400> 11822

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atcaattatc taactccaaa accatgaagc tgggtgcttg ggttcttgct ttcattgctt 120
tagtatcaag tgtttcttgt acacagacag gcggtgcag ctgtggtcaa caacaaagcc 180
atgagcagca acatcatcca caacaacatc atccacaaaa acaacaacat caaccaccac 240
cacaacatca ccagcagcag caacaccaac aacaacaagt tcacatgcaa ccacaaaaac 300
atcagcaaca acaagaagtt catgttcaac aacaacaaca acaaccgcag caccaacaac 360
aacaacaaca acaacagcac caacaacaac atcaatgtga aggccaacaa caacatcacc 420
aacaatcaca aggccatgtg caacaacacg aacagagcca tgagcaacac caaggacaga 480
gccatgagca acaacatcaa caacaattcc agggtcatga caagcagcaa caaccacaac 540
agcctcagca atatcagcag ggccaggaaa aatacaacag caacaatgtc attgccagga 600
gcagcaacag actacaaggt gcagctataa ctactatagc agtagctcaa atctaaaaaa 660
tgtcatgaat tcctaaggca gcagtgcag 689

<210> 11823
<211> 595

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-A1
 <400> 11823

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 ttacctttgg tgcatttggt ggcaaaaaac atcaaggcac aacaactaca acaacttggt 120
 ctaggaaacc ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactggct 180
 gcattgaact ctgctgctta tttgcaacaa caactaccat tcagtcagct agctgctgcc 240
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 caacagcaac agctaccacc attcagccag ctagctgatg tgagccctgt tgccttcttg 360
 acacaacaac agttgttgcc gttctacctg cacgctgcgc ctaacgctgg caccctctta 420
 caactgcaac aattgctgcc attcaaccaa cttgctttga caaacccaac agcggttctac 480
 caacaacca tcattgggtg tgcctctctt tagattgctt atgagttata cttcaataat 540
 gaagtttttt ggatgatggt tgtggcttcc cagaaataag aaagtacatt tctaa 595

<210> 11824
 <211> 623
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-A10
 <400> 11824

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 atcaattatc aatttgggtg ttccagacca gaggtgaggg aagcttgaat tccaatacct 180
 acatgaatat gctggtgtgg gtgcaagcgt taggcttaat tacaatccta tggctaacct 240
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 aactagcgat ttgaacaagt acaacgctgc cctgagcctt accagtgcag atcttattgc 360
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 gaaccattca ggcacttggt ttggagctga tttgtctcac ataatgtcga gaaatgagag 480
 cactctaate ttcggttccc agtactctgt ggatccccac acgactatta agacacgttt 540

caacaactac tgtatggcca gtgcccttgt ccatcatgaa tggcgtctca agtgcttcgt 600
caccatatgt ggtgacgttg aca 623

<210> 11825

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A11

<400> 11825

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ctacccccgg caatttcttc cattcaacca actggcagca ttgaactctc atgcttatgt 120
acaacaacaa caactactac cattcagcca gctagctgct gtgagccctg ctgccttctt 180
gacacagcaa catttgctgc cgttctacct gcacactgcg cctaacgttg gcaccctctt 240
acaactgcaa caattgctgc cattcgacca acttgctttg acaaaccag cagtgttcta 300
ccaacaaccc atcattggcg gtgccctctt ttagattgct tatgagttat agttcaataa 360
taaagttttt tttgctg 377

<210> 11826

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A12

<400> 11826

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tatcggagtc cagtaggcgg ctctctgctgc ttcggcggtc cctaaccct ctctcggcag 120
tgtacagatg gcgtccggcg gtccggcgct cgagccgctc gtcgaccagg tcctctccgt 180
catcaccaac gatggccgca acatcgtggg tacgctcagg ggattcgatc aggccaccaa 240
cattatactc gacgagtccc atgagagggg ctattctaga aaggaggag tccaacaact 300
tggttcttgg ctgtacatta tcaggggtga caacataagc gttgtgggag aggttgatga 360
agagctggat tcaagattgg atatgtcgaa gctaagggcg caccactga agcctgttat 420
tcactgaggt ccgagtatgt ctttgggtaa tatgtggact ggatgggtca ctgtttaatg 480

caggatgtag catcatcatg gcgaggggac tgagtaatat ggacatgttg cgtattgtgc 540
atggacgtgt tggctgttgg gttgcttgcc tacgcattct gtaagattgc agttaccatt 600
aggaactgaa ctcaagtcga ctgaattaat ata 633

<210> 11827
<211> 639
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-086-Q1-K6-A2
<400> 11827

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cccatggcg gcggtggcg gcggcgcagg agggaaggta tccttcaaga tcctcctcac 120
ctccgacccc aagctccctt tcaaagtgtt cagcgtgccg gaggcggcgc cctttaccgc 180
ggtgctcaag tacgccgagg aggagttcaa ggtccccgcc cagaccagcg ccatcatcac 240
caacgatgga attggcatca acccccagca aagtgcaggc aacgtgtttc tgaaacatgg 300
ttcggagctg cgtctcatcc ctgcgatag agttggagct gtagtcatgt cttccggtta 360
gaggatatat acagtccaat gcataatgag caaaacttga gagaaataaa gctttgatgt 420
tggccttgct tggctgtagg atgttggttac aaggataata agcgaacctt accgtacatg 480
tctcaagttg tatgctctct gtttgtatgt ggagagattt ctgaaagtga atccagtatc 540
tgaatcgact caattagccg ctttctgtct gcacagagcg atatgatcct gcttcgcgct 600
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<210> 11828
<211> 616
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-086-Q1-K6-A3
<400> 11828

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ggcaccaatt cttccagtaa agagggcagt gattgatttt tcatcaccta atattgcaaa 120
ggaaatgcat gtgggacatc taaggctctac aattattgga gatacattag cacgcatgtt 180

tgagttctcg aatgttgatg ttctgcgaag aaaccatgta ggagattggg gtacacagtt 240
 cgggatgcta atagaatatc tttttgagaa atttccaaat tggcaagaga ttggtagcca 300
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 acgcctaaat gtggtgcttg aagaaaaggg ggagagtttc tataatcctt atattcctca 540
 agtggtggag gaattgagta gcaaaggctt gatcaaggag agtgaggggtg ccagagttat 600
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<210> 11829
 <211> 642
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-A5

 <400> 11829

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 tgcgtgcagc caatatggcg accatggcg gcgcgggacc ggcggcgcta agccccaacg 180
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 ggcgcagcac gcggtgcct cctcggcaca ggtggcctta agcagcggcc acccccgtg 300
 ggcggttttc catgccgacg cggcccctgg tacgcagtgg cacgaacgcg cggctcccct 360
 cggcggcggc gcgggcagta gccccgacgc gtgaccctgc tgcggcacgg gcaggccggg 420
 ggtcccagcg tgcacgaggt cctttgcgtg ggggcagcca gggaccaaca cagatccagc 480
 gtggacttgg ctggcacaaa gacgacatgc agaaaatgga gcatgcattg aatgccatga 540
 ggaacaatag atatcgta ttacttttgt tcttgatgtc caaacctcta ctgttccctc 600
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<210> 11830
 <211> 166
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A6

<400> 11830

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gtcgggaatag atatgttttt ttactcttcg tggggcagtt ttgtactggg ggattcataa 120
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<210> 11831

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-A7

<400> 11831

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ctcaatactc acaagctcct atagctgccc ttcttcccc ataccttcca tcaatgaccg 180
cttcagtttg tgaaaaccca gcccttcaac cctacaggct ccaacaagca atcgcaacaa 240
gcaacttacc tttatcaccc ctgttctttc aacaatcgcc agccctatct ttgggtgcagt 300
cattggtaca aaccatcagg gcacaacagc tgcaacaact cgtgctacca gtgatcagcc 360
aagtagctct ggcaaaccct tctccctact ctgagcaaca acaatttctt ccattcaacc 420
aactgtctac actgaaccct gctgcttatt tacaacaaca acaactacta ccattcagcc 480
agctagctac tgctactct cagcagcaac aatttcttcc atttaaccaa ttggccgcac 540
tgaacccctc tgcttatttc cagcagcaaa tactactacc atttggccag ctgactacaa 600
caagccccac ttcctttttg aaacaacaac aattgcttnc gttctaccag cagtttgtgg 660
cta 663

<210> 11832

<211> 360

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-A8

<400> 11832

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ggcgggtgatg ggtttcatca tggacttcgc ggtgaatctg ttcttcogtc tgttggtggt 120
cccgggtcaag cgcgtccagg ttcggcgggt gcctgtctgc ggggtgaagg agcgggtgcga 180
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tttgtacttg tngttctctt ggggttccct nctcattctg gccttcogcc cgtcgttccc 300
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<210> 11833

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A9

<400> 11833

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cgtccattat tccacaatgc tcacttgctc ctagtthcoat tattccacag ttcttcccac 180
cagttacttc aatggccttc gaacaccag ctgtgcaagc ctataggcta caacaagcga 240
ttgcggcgag cgtcttacia caaccaattg cccaattgca acaacaatcc ttggcacatc 300
taacaatata aaccatcgca acgcaacagc aacaacagtt cctaccagca ctgagccacc 360
tagccatggt gaaccctgtc gcctacttgc aacagcagct gcttgcatcc aaccacttg 420
ctctagcaaa cgtagttgca aaccagcaac aacaacaact gcaacagttt ctgccagcgc 480
ttagtcaact agccatggtg aaccctgccg cctacctaca acagcaacaa ctgctttcat 540
ctagcccgtc cgctgtggcc aatgcacctc catacctgca acaagaattg ttgcaacaga 600
ttgtaccagc tctaactcag ctagctgtgg caaacctc 638

<210> 11834

<211> 212

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-K6-B1

<400> 11834

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gcaccattat cagagtcatc tcatatgtaa acaaaaaggg ggcgggcccca ctggggggctc 120
cacgcctacg gccgcggcca tggcagccct accccctgct ctgggggcccc caacggggggg 180
ggccccgggcc gccgtttacc accgggggggc cg 212

<210> 11835

<211> 637

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-B10

<400> 11835

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tttttctatc tattgctgtt agaagatcag taataattgc aacactgctt cacacaatta 180
gcttcattct gttcttttgc atggataatc atagtccagc ggggogtaat atccatttga 240
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ccctgctgat tgggtgaaaa taaatgtag gaaaactaaa gattgctatg aagtctatgc 420
gttggttctt ggccttctga gggaagaggt aagtaaagtc aaaacttttt taatgattga 480
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ggtttgatgc aggtacatgt tcagtccgac ccagctggtc gtttgatagt tactggagag 600
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<210> 11836

<211> 618

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-B12

<400> 11836

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 aaccgccccg ggctcagcct catccccagc cacacccatg cccgtgccaa cagccgcata 180
 caagcccgtg ccagctgcag ggaacctgcg gcgttggcag cccccgata ctgggccagt 240
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 acgctgctgc cggcgggtgc cccactgaa gaaactatgt gctgtagtat agccgctggc 480
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<210> 11837
 <211> 531
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-B2
 <400> 11837

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 attaggttgg ggagtgggag tagttaggta atctgtccta gttcatcaat caacgaggtt 180
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 caagctgtat aatactggta gtaanaaaaa naaaaaaaaa anaaaanaaa a 531

<210> 11838

<211> 477
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-B3

<400> 11838

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tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 180
tccattcaac caactagcag cattgaactc tcttgcattat ttacagcagc aacaactact 240
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<210> 11839
 <211> 627
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-B4

<400> 11839

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gaaggcgacg ggcaaggaca aggaggtcta caacgccgcg gaaggagtgg cgggtactgg 180
cggcatgaag aagacgctcg tcttctacag gggcagggct ccaggggtg acaagacaaa 240
ctgggtcatg cacgagtaca ggctcgaagg gcagcggcag gctccccgcc ggctcgcgt 300
ccgcaaccgg ctcaaccgcc gccaacgcgc cggcggcctt gaaagcttct gcttataagg 360
atgagtgggt ggtatngtcg tgtgttccac aagaccactg ggatcaagaa gaccaccact 420
gctgcaccgg cgtaccaggt ggccatggcc ggcgctgaga tggatcagaa tcagaacaac 480
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627

<210> 11840

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-B5

<400> 11840

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gcaggggttca tcaaagagaa ctggctgtat ggtagcaatt gttgctgctg taggaaggca 180

gtgaccaatg ggtaggcac tgctagtga ttaagtaact gttgtcgctg ttgtaggtac 240

gcagcagagt tcgacacagt cagttggttg aatggaagca gctgttgcaa gtaggcagca 300

gggtttgccca cagctagctg agtcagagct ggtacaatct gttgcagcaa ttgttggtgc 360

aggtatgtag gtgcattacc cacaacgaga gggctagatg aaagcagttg ttgctgttgc 420

aggtaggcgg caggggtcac catggctagt tgactgagcg ctggcagaaa ctgttgcaat 480

tggtgttgtt gttggtatgc agctacgttt gccagagcaa gtgggttgga tgcaagcacc 540

tgctgttgca agtaggcgac agggttcacc acatctagtt ggctcagtgc tggtaggaac 600

tggtgttgct gttgtgttgc gatggtttgc atggttagat gtg 643

<210> 11841

<211> 636

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-B6

<400> 11841

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tcattattcc acaatgctca cttgctccaa gttccattat tacacagttc ctcccaccag 180

ttacttcaat gggcttcgaa caccagctg tgcaagccta taggctacaa caagcaattg 240

cggcgagcgt cttacaacaa ccaatttccc agttgcaaca acaatccttg gcacatctaa 300

caatacaaac catcgcaacg caacagcaac aacaattcct accagcactg agccacctag 360
ccatggtgaa ccctgccgcc tacttgcaac agcagttgct tgcatacaaac ccacttgctc 420
tggcaaacgt agttgcaaac cagccacaac aacagctgca acagtttctg ccagcgctca 480
gtcaactagc catggtgaac cctgccgcct acctacaaca gcaacaactg ctttcatcta 540
gcccgcctgc tgtggccaat gcacctacat acctgcaaca acaattgttg caacagattg 600
taccagctct gactcagcta gttgtggcaa accctg 636

<210> 11842
<211> 684
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-086-Q1-K6-B7
<400> 11842

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ttgcgcgagg ccgcggatgt acgcggcggc gtccctgcac gcccttgcgga tctcggtcga 180
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ggccgcgcgc gctcgcggcg cggcagggtt cgcgcccggc ggcgtggcg cgccgatgcc 300
gagctgcacc ggcgacgcc cgccgagatt ggtgccgggc gccatcgccg cgaagtggct 360
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ggcgaccggc acgggcgagc cgaggatggc cttgatgac tgcgcgcatc acgtgtcgag 480
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gagcgagcga acaatgaaat cggcgctggc cggcccgcac gcaccgttga cggggatcac 600
gatgaccggc ggcgcggcg cgggggcagc ggccggcggg ggcgcggcga cggccgcgca 660
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<210> 11843
<211> 642
<212> DNA
<213> Zea mays
<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-B8

<400> 11843

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caatgtctcac aagctcctat agcttccctt cttccccctg acctctcacc aacgggtgtct 180
tcggtatgtg aaaacccaat tcttcaaccc tacaggatcc aacaggcaat cgcagctggc 240
atcttacctt tatcaccctt gttcctccaa caatcatcag cctattaca gcagttacct 300
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
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aactctgctt cttatttgca acaacaacaa ctaccattca gccagctatc tgctgcctac 480
ccccagcaat ttcttccatt caaccaactg acagcattga actctcctgc ttatttacag 540
cagcaacaac tactaccatt cagccagcta ngctgggtgtg agccctgcta ccttcttgac 600
caaccacagt tggtgccgtt ctacagcacg ctgcgcctaa cg 642

<210> 11844

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-C12

<400> 11844

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tacaggctac aactagcgct tgcggcgagc gccttacaac aaccaattgc ccaattgcaa 120
caacaatcct tggcacatct aaccctacaa accattgcaa cgcaacaaca acaacaacaa 180
cagtttctgc catcactgag ccacctagcc gtgggtgaacc ctgtcaccta cttgcaacag 240
cagctgcttg catccaaccc acttgctctg gcgaacgtag ctgcatacca gcaacaacaa 300
cagctgcaac agtttatgcc agtgctcagt caactagcca tgggtgaaccc tgccgtctac 360
ctacaactac ttcatctag cccgctcgcg gtgggcaatg cacctacgta cctacaacaa 420
cagttgctgc aacaaattgt accagctctg actcagctag ctgtggcaaa ccctgctgcc 480
tacttacaac agttgcttcc attcaaccaa ctgggtgtgt caaactctgc tgcgtaccta 540

caacagcgac aacagttact taatccattg gcagtggcta acccattggt cgctaccttc 600
 ctgcagcagc aacaacaatt gctgccatac aaccagtt 638

<210> 11845

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-C2

<400> 11845

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 ctgcatactc gctctggggc tgtacaggat cggaagcgt gatgtgccag tctacgatgg 180
 gtcctggacg gagtgggagg gtcagtcgga ctccgattac cccaaagtca ccgctcctgg 240
 tacagcttga gcgtctggga ctgggagttg gcagtttttag actgccagca tgatggcatt 300
 gtgtttgcga caggctgaac cgattttatc gagcactgga agcattgtat tcgctactgg 360
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<210> 11846

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-C3

<400> 11846

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 caatgtcac aagctcctat agcttcctt cttccccgt acctctcacc agcgggtgtct 180
 tcggtatgtg aaaaccaat tcttcaacc tacaggatcc aacaggcaat cgcagctggc 240
 atcttacctt tatcaccctt gttcctccaa caatcatcag cctattaca gcagttacct 300
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aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg 420
aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgttgccctac 480
ccccaacaat ttcttccatt caaccaactg gcagcattga actctcctgc ttatttacag 540
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c 601

<210> 11847
<211> 509
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-K6-C4

<400> 11847
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tactctcagc aacaacaact tcttccattt aaccaattgg ccgcactgaa ccccgctgct 180
tatttgcagc agcaaatact actaccattt agccagctag ctgcagcaaa ccgtgcttcc 240
ttcttgacac agcaacagtt gctgcctttc taccagcagt ttgcggttaa ccccgcaacc 300
ctcttacaac tacaacaatt gttgcccttt gtccaacttg ctttgacaga ccgagcggcc 360
tcttaccac aacacatcat ttgggtgtgc cctcttttag attgcttatt agttgtaatt 420
caataataaa gttttttgga tgatgtatgt ggccaaccag aaataagaag ttacatttcc 480
agattttaat gtgaaaaaan aaaanaaaa 509

<210> 11848
<211> 680
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-K6-C5

<400> 11848
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ccagcctcaa ggattatgtg acgatgatga aggagggaca gaacgacatc tactatatca 120

ctggtgagat caagaaggca gtggagaact cccctttcct ggagaagctg aagaagaggg 180
 gctacgaggt cctgtacatg gttgatgcca ttgatgagta tgctgttggt cagctcaagg 240
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 tcaccgtgct gccttgtcac tggtagtat ggctggacag ccaacatgga gaggatcatg 480
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 gaaatcaacc cggagaaccc aatcatggat gagctccgta agcgcgccga ggctgacaag 600
 aatgacaagt cagtcaagga tcttgtgatg ttgctgttcg agacagctct nctgacctcc 660
 ggcttcagcc tggatgaccc 680

<210> 11849

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-C6

<400> 11849

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 tggttgcca gaacaccctc aagatcatgc ccttcaagct cccgcccgtc ggcccttatg 120
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 tgcacccggg cgacctgtgc ttcaagctcc ccgacggggg gagcctgtag gaggcgcca 480
 tgtgcgagcc gctgagcgtg ggcgtgcaca cgtgccgccg cgcggggggg ggggcccag 540
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<210> 11850

<211> 586

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-C7

<400> 11850

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ccaccaggag ctgcgtcgaa tgccgcgcca ccaccacgcc catgtggcgc agcggcccga 180
ccgggcccag gtcactttgc aacgcctgtg ggatccggtg ccgaaaaaag aggaggcaag 240
agcttggcct agaccgcaag ctgcagcaac aacaaaataa tggcgaggcg aagacggatg 300
aagcaaaaga cagctctagc aacagcagca gcgggagcag caacttgcag gtggtgcaga 360
aacggaggct gctaattggga gtggaggagg ctgctctgct gctgatgacc ctatcttctt 420
cgccacatc cacgttgctt catggataag gaccctctc caacgccaga tcagcagtgt 480
acatacaacg taccctctgc acagtgactg ccgaacgatt gcaggcctat ctgagggttg 540
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<210> 11851

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-C8

<400> 11851

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cctccgtctg atggaggacc cggacaagcg cgaccagggt cggcgggagc atgtctacaa 180
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ttcctgaaca cccgttccga tccttgccca gaaggtctac ttgggcatca ataagaaact 420
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ctaccctatt tctgttcca gtttggcatg gaagtataag ttgtgtactt ctattctcaa 540
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<210> 11852

<211> 640

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-C9

<400> 11852

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gcagccaaaa tattttgcct ccttatgctc cttggtatgt ctgcaagtgc tgctacggcg 120
accattttcc cgcaatgctc acaagctcct atagcttccc ttcttcccc gtacctctca 180
ccagcgggtgt cttcggtatg tgaaaacca attcttcaac cctacaggat ccaacaggca 240
atcgcagctg gcattctacc tttatcacc ttgttctcc aacaatcctc agccctatta 300
cagcagttac ctttggtgca tttattggca caaaacatca gggcacaaca actacaacaa 360
cttgtgctag caaaccttgc tgctactct cagcaacagc agtttcttcc attcaaccaa 420
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cctgttgctc accccaaca atttcttcca ttcaaccaac tggcagcatt gaactctcct 540
gcttatttac agcagcaaca actactacca ttcagccagc tagctgggtg gagccctgct 600
accttcttgc acaaccacag ttgttgccgt tctaccagca 640

<210> 11853

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-D10

<400> 11853

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cggcgctgct gcacaacccg agcgaccgcg ccgtgggtgt ctacgacggc ctcttcgcct 180
acgtgacgta ccgcggggag atggtggcgc cccccgcgcc gctgcccggg gtggcacagg 240

gcccggggcg cgacgtggcg ctgtcgccgc atttcggcct tggcggcgcg gtgcccgtgc 300
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 tacgcctcgt cgtcatgggc cgggtcaagt acatgagcgg gccattcagg accggatggc 420
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 ttgatccttg atcggcgcaa tgcattgagc ctcagatgat cagattttca gaattctggc 600
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<210> 11854

<211> 515

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D11

<400> 11854

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 gggcaatgca cctacatacc tgcaacaaca attggtgcaa cagattgtac cagctctgac 180
 tcaactagct gtggcaaacc ctgttgccct cttgcaacag ctgcttccat tcaaccaact 240
 gactctgtcg aactctgctg cgtacctaca acagcgacaa cagttactta atccattggc 300
 agtggctaac ccattggctg ccgccttcct acagcagcaa caattgctgc catacaacca 360
 gttctctttg atgaatcctg tcttgcgag gcagcaaccc atcgttggag gtgccatctt 420
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<210> 11855

<211> 529

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D12

<400> 11855

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 cccaaatggt ccgatgtaca cttctcttgg tgttatgaca aggggaacaa tcattgaggt 180
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 tcaagttaca aacaacccgg agaatgatgg gtgtatcaat gctgttttgc tagtgtagaa 300
 ccatagttag attttgttta tggatgatga tcgtccatt tgtatctgct cttgataaga 360
 tgctcccttt tgaccgatct catggctatt cccaggagtt tgttttgcac cgtgggtccat 420
 gggcgagcat tctatatact tgctatgtgc gacaagccga caaatgactt ggctattata 480
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<210> 11856
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-D3
 <400> 11856

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 tgctgccctt agtccaactt gctttgacaa acccagcagc cttctacaca acaacacatc 240
 attggcggag ccatctttta gattgcttat tagttgcaat tcaataatga agatttttgg 300
 ctgatgtatg tggcctacta gaaataagaa gctacattgc caaattctaa tgtgctattg 360
 gcctgcaagg ggtgttagat aattattttc cctaagattg ggaagcaagc tataaatcat 420
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<210> 11857
 <211> 635
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-D4
 <400> 11857

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 cagaaggatc ctcccacctc ttgcagcgca ggccctgttg ccgaagatat gttctactgg 180
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 agccctgca'c tgacagtttc taaggtcctc ctctcaattt gtcccttct gacggaccca 420
 aaccctgacg atccgttggt cccagagatt gctcacttgt acaagactga tcgcgtgaag 480
 tacgaatcga ctgctaggag ctggactcag aaatatgcaa tgggctgaca agctattgggt 540
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<210> 11858

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D5

<400> 11858

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 gcaatttctt ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca 180
 acaactacta ccattcagcc agctagctga tgtgagccct gctgccttct tgacacaaca 240
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 acaattgctg tcattcaacc aacttgcttt gacaaacca acagtgttct accaacaacc 360
 catcattgggt ggtgccctct tttagattgc ttatgagtta tagttcaata atgaagtttt 420
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<210> 11859

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D6

<400> 11859

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tcattattcc acaatgctca cttgctccga gtgccattat tccacagttc ctccctccag 180
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cggcgagcgt cttagaacaa ccaattgccc aattacaaca acaatccttg gcacatctaa 300
ccatacaaac catcgcaacg cagcagcaac aagcactgag ccacctagcc gtgggtgaacc 360
ctatcgcta cttgcaacaa cagctgcttg catccaaccc acttgctttg gcaaacgtag 420
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tgggcaatgc acctacatac ctgcaacaac agttgttgca acaacagttg ctgcaacaaa 600
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<210> 11860

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D7

<400> 11860

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caattttccc tcaatgctca caagctccta tagctttcct tctttcccca tacctttcat 180
caatgatagc tttagtatgt gaaaaccag ctttttagcc cttttgggtt caacaaggaa 240
ttgcaggaag gaacatacct ttattacct ttgttggttta acaattgcc ggcctatttt 300
tgggggagtc attggttcaa accattaagg gacaacagct ggaggaactc gtgcttcctg 360
tgatcaaaca aatagctctt ggaaaacttt cttccttctt ttaagaacaa caatttcttt 420
catttaaaca actgtctata ctgaaccctg ctgcttattt gcagcaacaa cta 473

<210> 11861

<211> 635
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-086-Q1-K6-D8

 <400> 11861

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aggcaatcgc aacaggcatc ttaccattat cacccttggt cctccaacaa ctgtcagccc 180
tattacagca gttacctttg gtccatttgg tggcacaaaa catcagggca caacaactac 240
aacaacttgt gctagcaaac cttgctgcat actctcagca acatcagttt cttccattca 300
accaactggc tgcattgaac tctgctgctt atttgcaaca acaattacca ttcagccagc 360
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<210> 11862
 <211> 623
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-086-Q1-K6-D9

 <400> 11862

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ggctcggcct gctcgctcgg gctcgcccgc ggcggcgctt cggcgtgctt gctcggggcg 180
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gcggcggttc ggcgagcttg ctcggggcgg tggcacggag catgcgcgct tgccctgcggc 480
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<210> 11863

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E1

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gcccgtcgc tgtgggcaat gcacctacat acctgcaaca acaattgttg caacagattg 600
taccagctct gactcaacta gctgtg 626

<210> 11864

<211> 629

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E11

<400> 11864

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caatgctcac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
 tcaatgtgtg aaaacccaat tgttcaaccc tacaggatcc aacagggaat cgcaacaggc 240
 atcttaccat tatcaccctt gttcctccaa caaccgtcag ccctattaca gcagttacct 300
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 aaccttgctg catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420
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 cagcaatttc ttccattcaa ccaactagca gcattgaaact ctgctgctta tttacagcag 540
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<210> 11865

<211> 636

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E12

<400> 11865

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<210> 11866

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E2

<400> 11866

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gataggagaa ccggttgagc tttgtcaata ttcctgcttt acatgacttg ggattacagt 600
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<210> 11867

<211> 667

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E3

<400> 11867

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cagcaatttc ttccattcaa ccaactgaca gcattgaact ctctgctta ttacagcag 540
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<210> 11868

<211> 502

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E4

<400> 11868

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<210> 11869

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-E5

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acaaccaatt gcccaattgc aacaacaatc cttggcacat ctaaccctac aaaccattgc 300
aacgcaacaa caacaacaac agttttctgcc atcactgagc cacctagccg tggatgaaccc 360
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acctacgtac ctacaacaac agttgctgca acaaattgta ccagctctga ctcagctagc 600
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<210> 11870

<211> 145

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-E7

<400> 11870

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tgtnttaatn agnatatttt ttttt 145

<210> 11871

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E9

<400> 11871

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gccggcgggc tgtacccta cgcggagtac ctgaggcagc cgcagtgcag cccgctggcg 180
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<210> 11872
<211> 659
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-K6-F1

<400> 11872

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<210> 11873
<211> 632
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-F10

<400> 11873

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 aacaacaact accattcagc cagctacctg ttgcctaccc ccaacaattt cttccattca 480
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<210> 11874

<211> 658

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-F11

<400> 11874

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<210> 11875
 <211> 565
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-F12

<400> 11875

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<210> 11876
 <211> 666
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-F3

<400> 11876

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caagtagctc tggcaaacct ttctccctac tatcagcaac aacaatttct tccattcaac 420
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caactatcta cactgaaccc tgctgcttat ttgcagcaac aactattacc attcagccag 480
ctagctactg cctactctca tcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
aacctcgctg cttatttgca gcagcaaata ttactaccat ttagccagct agctgcacna 600
agccgtgctt ccttcttgac cagcaacagt tgctgccttt ctccagcagt ttgcggtac 660
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<210> 11877

<211> 509

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-F8

<400> 11877

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acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc cattcaacca 180
actggcagca ttgaactctc ctgcttattt acagcagcaa caactactac cattcagcca 240
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<210> 11878

<211> 679

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G1

<400> 11878

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accagctgt gcaagcctat aggctacaac aagcaattgc ggcgagcgtc ttacaacaac 180

caatttccca gttgcaacaa caatccttgg cacatctaac aatacaaacc atcgcaacgc 240
aacagcaaca acaattccta ccagcactga gccacctagc catggtgaac cctgccgcct 300
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dgaactctgc tgcgtaccta caacagcgac aacagttact taatccacta gcagtggcta 660
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<210> 11879

<211> 83

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G11

<400> 11879

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ggaagggagg aagaaagcgg atc 83

<210> 11880

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G12

<400> 11880

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ctacgcgagg ggggccgtac ccagcggcgc atccactgga atatatgagg ccttgagatt 180
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caacattatt ggaccagcga ttgttgaaa ggacccact gagcaggttg agattgacaa 300
cttcattggtc caacagcttg atggaacctc caatgagtgg ggctgggtgca aacagaagct 360

tggagcaaat gccatccttg cggtttcact tgctgtgtgc aaagctggag ctatggtgaa 420
 gaagattcct ctttaccagc acatcgcaaa tcttgctggg aacaaaactc tgggtgctccc 480
 tgtacctgcc tttaatgtga ttaatggagg gtcacatgct ggaaacaagc ttgccatgca 540
 ggagttcatg atcctcccaa ctggtgcctc ctcgttcaag gaggccatga agatgggagt 600
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<210> 11881

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G2

<400> 11881

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 tccctcaatg ctcacaagct cctatagctt cccttcttcc cccatacctt ccatcaatga 180
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 caagcaacat acctttatca cccttggtgt ttcaacaatc gccagcccta tctttggtgc 300
 agtcattggt acaaaccatc agggcacagc agctgcagca actcgtgcta cctgtgatca 360
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 agctagctac tgcttactct cagcaacaac aacttcttcc atttaaccaa ttggcgcgac 540
 tgaaccccg c tgccttatttg cagcagcaaa tactactacc atttagccag ctagctgcag 600
 caaacctgtc t 611

<210> 11882

<211> 650

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-G4

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 cCgcaatgCt cGcaagctCc tatagCttCc CttCttCCCC cgtacCtCtC accagcggTg 180
 tCttcggtat gTgaaaacCC aattCttcaa cCctacagga tCcaacaggc aatcgcagCt 240
 .ggcatCttac Ctttatcacc CttgttCctC caacaatcat cagccCtatt acaacagTta 300
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 ttgaactCtG CttCttattt gCaacaacaa caactaccat tCagccagCt acCtGctgCc 480
 tacCCCCagc aatttCttCc attcaaccaa ctagcagcat tgaactCtCc tGcttatttA 540
 cagcagcaac aactactacc attcagccag ctagCttggT gTgagcCctG ctacCttCtt 600
 gacaaaccac agTtGttgCc gntCtaacag cagGttgcgc CtaaacgCtG 650

<210> 11883

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G8

<400> 11883

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 ggCgatCttC ggCttggTcc tccagTccat cCtgcagcag cagccGcaaa gcggccaggt 180
 cgcggggGctG ttggcggcgc aaatagcGca acaactgacg gcgatgtGcg gCctgCaaca 240
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 gtagtatagc cGctggCtag ctagCtagTt gagtCatttA gcggcgatga ttgagtaata 360
 atgtgtcagc catcaccatG ggtggcagTg tCagTgtgag caatgacCtG aatgaacaat 420
 tGaaatgaaa agaaaaaagT attgttCc 448

<210> 11884

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-H10

<400> 11884

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accatcaatg tgcggcttgt accactcata ctacccaaaat aatccatgca gcagcaatga 180
cattagtggg gtttgcaatt gaagaattgt gtctacctag ccgttatact catataacgg 240
tgttaagcaa taaagtacca tacatttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaatttta aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaggggg gcccggttt aaaggataaa aatttaatta ggaggggttg 420
ggattggaaa aaattttttt tttgggggac cttaaataaa ttaaag 466

<210> 11885

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<212> DNA

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<223> Clone ID: LIB3061-086-Q1-K6-H11

<400> 11885

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atgtcaagac atggttcaac cagcccgcgc gcaagcagag gcgccgcac gcacgtcaaa 180
agaaggctgt gaagatatcc ccacgaccaa ctgctggccc tcttcgtccc attgttcaat 240
gccagactct caagtacaac atgaagtcaa gggctgggag aggcctttacc cttgaggagt 300
tgaaggctgc gggcattcca aaaaggcttg ctccaacccat tggcatttct gtggatcacc 360
gccgcaagaa caaatccctt gaggggctgc aggccaatgt ccagaggctt aagacatata 420
aggccaagct gggtatcttc ccaaggcgtg ctgcgaaggt caaggctggg gactctactc 480
tggaggagct taccactgct acccaggtac agggtgacta catgccaatt actcgcggtg 540
agaagcgctc tgtagagggt gtgaaggcca cagatgagat gaaaggcggt tgcggcctat 600
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<210> 11886

<211> 637

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-H12
 <400> 11886

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gcaatgctcg caagctccta tagcttcctt tcttcccccg tacctctcac acagcgggtgt 180
cttcgggtatg tgaaaaccca attcttcaac cctacaggat ccaacaggca atcacagctg 240
gcatcttacc tttatcaccg ttgttctctc aacaatcatc agccctatta catcagttac 300
ctttgggtgca tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag 360
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tgaactctgc ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct 480
acccccagca atttcttcca ttcaaccaac tggcagcatt gaactctctt gcttatttac 540
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<210> 11887
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-H2
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aacaaggctt atagcgcctc gttttaccgg tgcattgata tactctacga atgctatgaa 180
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gctggagtgt acattgccct gatgatggct cagattgaga tcctgaggaa gaaggggcac 420
tcctactctg agatcatcaa cgagagcgtg attgagtcgg tggactcgct gaaccggttc 480

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atgcacgccc gtggggtcgc cttcatggtg gacaactgct ccacaacggc tcgcctggga 540
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<210> 11888
 <211> 650
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-H3
 <400> 11888

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 tcctatagct tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg tatgtgaaaa 180
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 tccattcaac caactggcag cattgaactc tcctgcttat ttacagcagc aacaactact 540
 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacagttggt 600
 gccgtttctac cagcacgctg cgctaacgc tggcaccctc ttacaactgc 650

<210> 11889
 <211> 646
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-H4
 <400> 11889

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 attccacaat gtcacttgcc tccgagtgcc attattccac agttcctccc tccagttact 180

tcaatgggct tcgaacaccc agctgtgcaa gcctataggc tacaacaagc gcttgcggcg 240
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 gctacttgc aacaacagct gcttgcaccc aaccacttg ctttggcaaa cgtagctgca 420
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 aatgcaccta catacctgca acaacagttg ttgcaacaac agttgctgca acaaattgta 600
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<210> 11890
 <211> 636
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-H5
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<210> 11891
 <211> 115
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-H6

<400> 11891

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<210> 11892

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-H7

<400> 11892

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ggcttttctg caagtgtgc taccgcaacc attttccac aatgtcaca agctcctata 120

gcttcctttc ttccccata cctctacca gcggtgtctt cagtatgtga aaaccaatt 180

cttcaaccct acaggatcca acaggcaatc gcagcaggca tcttaccttt atcacccttg 240

ttcctccaac aaccgtcagc cctattacag cagttacctt tgggtgcattt gttggcacia 300

aacatcaagg cacaacaact acaacaactt gtgctaggaa accttgtgc ctactctcag 360

caacagcagt ttcttccatt caaccaactg gctgcattga actctgtgc ttatttgcaa 420

caacaactac catteagtca gctagctgct gcctaccccc agcaatttct tccattcaac 480

caactggcag cattgaactc tgctgcttat ttacaacagc aacagctacc accattcagc 540

cagctagctg atgtgagccc tgttgcttctc ttgacacaac aacagttgtt gccgttctac 600

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<210> 11893

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-H8

<400> 11893

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tgccgtttgt ttggcctttt ttaccagata attacaattc ataagctact actggtgtgg 180
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gctgctgtct tgtggcacag gcacacagct agatggcatt atgtatggtg atcactgatc 360
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<210> 11894

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-A10

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cgccatcgaa ttcgatggcg gccaacgccg ggaataagat ccgcaacgcc aagctggttc 180
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cagaggaagc aaaggcgtat gctcaggaga atgggctctt cttcatggag acatctgcta 600
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<210> 11895

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-A11

<400> 11895

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 gaacagagcc atgagcaaca ccaaggacag agccatgagc aacaacatca acaacaattc 180
 cagggtcatg acaagcagca acaaccacaa cagcctcagc aatatcagca gggccagnga 240
 aaaatcaciaa cagcaacaat gtcattgcc a ggagcagcaa cagactacaa ggtgcagcta 300
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 aatctacaac atggttcaat ccataatcca ggaggagcaa caacaacaac catgtgagtt 540
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<210> 11896
 <211> 378
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-A3
 <400> 11896

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 ctgctacctt cttgacacaa ccacagctgt tgccgttcta ccaccagct gctcctaacg 180
 ctggcacccct cttacaactg caacaatagc tgccattcaa ccaactagct gtgacaaacc 240
 tagcagcggt ctaccaacaa cccatcattg gtgggtgccct cttttagatt acttatgagg 300
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<210> 11897
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-A4

<400> 11897

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<210> 11898

<211> 477

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-A6

<400> 11898

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ctagctgctg cctacccccca gcaatttctt ccattcaacc aactggcagc attgaactct 180
gctgcttatt tacaacagca acagctacca ccattcagcc agctagctga tgtgagccct 240
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acagcgttct accaacaacc catcattggt ggtgccctct tttagattgc ttatgagtta 420
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<210> 11899

<211> 471
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-A7
 <400> 11899

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tttgatgat gtatgtggcc aaccagaaat aagaagttac atttcagat tctaattgtga 180
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaa aaaaaaaaaa aaaaaaaag gggggaagat ataaaaaaaa aaaaaaaaaa 300
aaaaaaaag aaagaaaaaa aaaaaaactt ttttattggg taaaacaaaa taaattaccc 360
atggtcggcg ggttttacaa cgatatccac tgtgtaaaac acctggggta ccaaattaaa 420
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<210> 11900
 <211> 304
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-A9
 <400> 11900

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ccccaccaca cgcgagcggg ccgagggcag cgacaacggg accaaccaca ggcgcccgcg 180
ccccgccagc acgcggcgcc ccacgcgcgg ccgccaccac agcgggaaca agggccgccc 240
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gccc 304

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<210> 11901
 <211> 657
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-B1

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agaaagttga cttcaacacg gcaactttca gtgacatcct taagaagctt gacaatcact 180
ataaaatgga tctggcccca aagaaagaag ccatcaaagt tatgatccaa gacgagttaa 240
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tgtaggcagc ctccacacct ttttagctga ctgatcggag agttactcct aggcaactct 540
tgttttctaga tttgcaaagt gtgtctgaaa ctctgcgttt gctgcggcag aacgtgtact 600
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<210> 11902

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-B10

<400> 11902

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caacatttca gcttccatca atcatgcatg actcattnat agcaggaaac aatggcgcg 180
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agcaggtcac aagcaggtct taccactctt ttgtagatgc ttagtgctgc agtgagtttt 480
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<210> 11903

<211> 529

<212> DNA

<213> Zea mays

<223> unsure at all n locations.

<223> Clone ID: LIB3061-091-Q1-K6-B12

<400> 11903

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gtcctgtctc tcacactacg acggcgggac gacgacgacg atggtggcgg aggcccggt 180

gtgcatgggc aagagccagc accactcgtt cccctgcac tccgaccgcc tctgcagcaa 240

cgagtgcgtc aaggaggacg gcgggtggac cgccggctac tgccacctcc gctactgcag 300

gtgccagaag gcgtgctaag caaagctctt caaacaccct tgggttgcca gaactgaact 360

ctagtagtac taagtaacac ccttggttag ctgtgcacaa cctacgtacc gtgcatgcat 420

gtaatgtggt gtcattgaac gtgacagcaa taaatagtat taataataat aacacggcat 480

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<210> 11904

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-B2

<400> 11904

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cgttcattat tccacaatgc tcaattgctc cgagtgccat tattccacag ttcttcctc 180

cagttacttc aatgggcttc gaacaccag ctgtgcaagc ctataggcta caacaagcgc 240

ttgcggcgag cgtcttagaa caaccaattg cccaattaca acaacaatcc ttggcacatc 300

taaccatata aaccatcgca acgcagcagc atacaagcac tgagccacct agccgtggtg 360

aaccctatcg cctacttgca acaacagctg cttgcatcca acccacttgc tttggcaaac 420

gtagctgcat accaacaaca acaacagttg caacagtttc taccagcgct cagtcaacta 480
gccatggtga accctatcgc ctacctacaa cagcaacaac ttctttcatc tagcccgtc 540
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caaattgtac cagctcttac tcagctagct gtgg 634

<210> 11905
<211> 620
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-091-Q1-K6-B3
<400> 11905

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ttgaactctg cttcttattt gcaacaacaa caactaccat tcagccagct atctgctgcc 240
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caactgcaac aattgctgcc attcaaccaa cttgctttga caaaccagc agcattctac 480
caacaacca tcattggtgg tgccctcttt tagatttctt atgagttata gttcaataat 540
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aaaaaaaaa aaggcgcccc 620

<210> 11906
<211> 638
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 11906

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ctcaatgctc acaagctcct atagcttccc ttcttccccc ataccttcca tcaattatag 180
cttcagtatg tgaaaaccca gctcttcaac catataggct tcaacaagca atcgagcaa 240
gcaacatacc tttatcgccc ttgttgtttc aacaatcacc agccctatct ttggtgcagt 300
cattggtaca aaccatcagg gcacaacagc tgcagcaact cgtgctacct gtgatcaacc 360
aagtagctct ggcaaacctt tctccctact ctcagcaaca acaatttctt ccattcaacc 420
aactgtctac actgaacctt gctgcttatt tgcagcaaca actattacca tttagccagc 480
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<210> 11907

<211> 621

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-B6

<400> 11907

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gagggcaggc gtgtacaagc c 621

<210> 11908

<211> 647

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-B7

<400> 11908

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 tcctatagct tcccttcttc ccccgtagct ctaccagcg gtgtcttcgg tatgtgaaaa 180
 cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc 240
 acccttggtc ctccaacaat catcagccct attacagcag ttacctttgg tgcatttatt 300
 ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
 ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
 tttgcaacaa caacaactac cattcagcca gctacctgtt gcctaccccc aacaatttct 480
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 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacagttggt 600
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<210> 11909
 <211> 117
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-B9

<400> 11909

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<210> 11910
 <211> 658
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 11910

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<210> 11911

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C10

<400> 11911

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<210> 11912
 <211> 625
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C2

<400> .11912

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<210> 11913
 <211> 637
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C3

<400> 11913

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<210> 11914
<211> 424
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-091-Q1-K6-C4
<400> 11914

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<210> 11915
<211> 638
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-091-Q1-K6-C6
<400> 11915

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<210> 11916

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C8

<400> 11916

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<210> 11917

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C9

<400> 11917

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 caacaacca tcattggtgg tgccctcttt tagatttctt atgagttata gttcaataat 420
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<210> 11918
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 <223> Clone ID: LIB3061-091-Q1-K6-D1
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 cgggtggcggc ggtggctatg gcggaaccac cgacaccacg tatgggacga cgaccactga 600
 aggcactcac gagaaaaaag gcttcatgga ca 632

<210> 11919
 <211> 612
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-D10

<400> 11919

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aacatcaaca tttcagattc catcaatcat gatgactcaa taaaacagaa acaatgtaac 180
tctattgctg gagagaaagc gataaagtct atttctgatg gggttgctaga tagtgaaggc 240
tcaagtcatt ctagtactga tgattcagta agtgtgagga acagtgggtga cttctatgaa 300
gctttaacaa ctatctcgcc atctgggaga cggttatgcc cacaatcaatt ttaccaatta 360
gaaaatggta aggtgggtgt tagacataac acaaacaatgt cacaccatgg gatgccaaca 420
aagcagttca caagcagatc ttaccactct tttgaagatg ctaagtatca caatgagttt 480
tcaggaagct ttctgccacc cattgagcat aatgcttact cttctgctgg ctttggttaat 540
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aataacatct tg 612

<210> 11920

<211> 96

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-D11

<400> 11920

agaagtcatt tctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaagaaaa aaaaaaaaaa aaaggggccg gccggtt 96

<210> 11921

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-D12

<400> 11921

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ctgagaagat tgtcaaaacc ctgaatgaag gaatgttccc tcttcagatg ttgttgaggt 120

cgttgtcagt cctccttatg tgttcctccc ggtggtcaag agccagctgc gccaaagagtt 180
 ccaagttgct gtcagaact gctgggtgaa gataggaggt gcattcactg gtgaaattag 240
 tgctgaaatg ctggtcaacc ttggcgttcc ctgcgctcatt cttggacact ctgaaaggag 300
 agctctgctg ggagaatcaa atgagtttgt tggagacaag gttgcttttg ctctgtctca 360
 cggactaaag gtcattgcat gtgttggtga gacccttgag gagagggagg ctggttcaac 420
 catggatggt gttgctgcac aaacaaaagc aattgctgta gaatatcaag gactggagca 480
 acgtttttct tgcctatgaa ccaatctggg ctattggaac tggcaaagtc gccaccccaa 540
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<210> 11922
 <211> 90
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-D2

 <400> 11922

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 cagtaataaa agattagaga tctatatattt 90

<210> 11923
 <211> 629
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-D3

 <400> 11923

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 gtcacaagc tctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag 180
 tatgtgaaaa cccagctctt cagccctata ggctccaaca agcaatcgca gcaagcaaca 240
 tacctttatc acccttggtg tttcaacaat cgccagccct atctttggtg cagtcattgg 300

tacaaaccat cagggcacag cagctgcagc aactcgtgct acctgtgatc aaccaagtag 360
ctctggcaaa cctttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt 420
ctacactgaa ccctgctgct tatttgcagc aacaactatt accattcagc cagctagcta 480
ctgcctactc tcagcaacaa caactttctc catttaacca attggccgca ctgaaccccg 540
ctgcttattt gcagcagcaa atactactac catttagcca gctagctgca gcaaaccgtg 600
cttccttctt gacacagcaa cagttgctg 629

<210> 11924
<211> 525
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-091-Q1-K6-D4

<400> 11924

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tttttttttt tttttttttt tttttttttt tttttgggaa ccaaaccttt tttttttcat 180
ttcaaatggt caatacaggg ggnngctccc cccggccccg cccccaggg gggcgcgggg 240
cccatgcttc cccaatcgct gcccttaca gcccacactt gtgtggctcc cggggggctt 300
tccccaacac aagggtttttt cggggggggg cccccccct aaagaaagcc ggccgcgagc 360
tgctcgtttg gcacccccaa ctgcccgctg ttttcggatc catttcgccc atgggctatc 420
ccaggagggc cgctgcttgg tgagattccg gaaggactgc tgtcatgcag acaggaatga 480
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<210> 11925
<211> 624
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-091-Q1-K6-D5

<400> 11925

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ccgcgacgca gcctcgctct cgccgcccgtc cgccggaccct cccggctcca gcggcgacgc 120
ccaggcccag caccggttcc tcgcgctcct gggcccgcgc ctgcgcgcgc tcgccgaggt 180
ggcggagccc tccggggagg aggaggcgcc gccggatgag gcgctcgacg gcaaggaggc 240
ggcgaccac gcgaggacag tgcgcgcccc gccgcgcgcg cgggcatgt cggagaagac 300
cggcgggcgca gcggggcgca cggcgagggc ggcgtcggcg gagctgcggc gtgccaagtc 360
ggagagcggc aggcgcggc aacgacgttc ggcggcggcg gcggcggcgc gcccggtgga 420
gctggggatg gacgacgcag aggcgttccg gctggcggtg gaggcgttca tcgcgaagca 480
gcagacctgg ttccaccgcg aggagtcgct gatcgcccgt accggtaccg ccgacaacgc 540
cggcgggnga agacggcacg gcgatcgccg gtgctgdcgt ggctgtgaag tgagcgagca 600
acgcagccac caccggtacc acca 624

<210> 11926

<211> 336

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-D7

<400> 11926

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tacttgcaac agcagctgct tgcattccaac ccaattgctc tagcaaacgt agttgcaaac 120
cagcaacaac aacaactgca acagtttctg ccagcgctta gtcaactagc catggtgaac 180
cctgcgcgct acctacaaca gcaacaactg ctttcatcta gcccgctcgc tgtggccaat 240
gcacctacat acctgcaaca agaattgttg caacagattg taccagctct aactcagcta 300
gctgtggcaa accctngtgc ctacttgcaa cagctg 336

<210> 11927

<211> 82

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-D8

<400> 11927

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ccagaaaaag aaagtcattt ct

82

<210> 11928

<211> 492

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-D9

<400> 11928

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gggggggttg ggcactgagc gcgctccttc tggggctcct cccggtgcac aagagcgtgc 180

cgggtgctcct ccacgccggg cgcgccataa acgagtcctt ggtcctcctg cagttcatcg 240

acgaggtgtg ggcgggggtcg gggccggacg tgctgccgga cgaccctac gagcgcgcgg 300

tggcgcgggtt ctggggcgcg tacatcgctt acttgggtgga ttcggcgtgg ctggggatgc 360

tgttccgggtg ctcgatctag gaggagagg ctgttgttgt ggtgcgcgcc tcgtgaggcg 420

ctcgacgcgc ttggagggcg tcgtttcgga ctgcttcag gggaaggctt tcttctgtgg 480

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<210> 11929

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-E1

<400> 11929

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gtccttggct ctttctacat gtgttgctaa cgcgacaatt ttccctcaat gtcacaagc 120

tcctatagct tcccttcttc ccccatacct tccatcaatt atagcttcag tatgtgaaaa 180

cccagctctt caaccatata ggcttcaaca agcaatcgca gcaagcaaca tacctttatc 240

gcccttggtg tttcaacaat caccagcctt atctttggtg cagtcattgg tacaaccat 300

cagggcacia cagctgcagc aactcgtgct acctgtgatc aaccaagtag ctctggcaaa 360

cctttctccc tactctcagc aacaacaatt ttttccattc aaccaactgt ctacactgaa 420
ccctgctgct tatttgcagc aacaactatt accatttagc cagctagcta ctgcctactc 480
tcagcaacaa caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt 540
gcagcagcaa atactactgc catttagcga gctagctgca gcaagtcgtg cttccttctt 600
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<210> 11930

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-E10

<400> 11930

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tgctgctgca ctacctcgc cgcaaggcgc tggcctgccc gctccccgcc ggcgatcatc 180
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ggcgcaaggg cggcggcgcg gccagggcgg ccggcacccg cgtctggagg ccgtccggca 360
aggagaccct cgtcctgtcc ccgcgtgca agcgccccgt cggcaccaag cggacgctcg 420
tattctgccc ccgcc 435

<210> 11931

<211> 553

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-E11

<400> 11931

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ccatcattgg tggcgccctc ttttagattg cttatgagtt aaacttcatt attgattgag 180
taataatgtg tcacgcatca ccatgggtgg cagtgtcagt gtgagcaatg acctgaatga 240

acaattgaaa tgaaaagaaa aagtattggt ccaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaat 360
 taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
 aggggggggc ctttttaaag aaaccaaatt ttttttcccg gggtttgaa agtaaaagtt 480
 tttttttggg ggcccaaaa aaaaattaat gggccgggtt ttaaaaacgg ggggctggga 540
 aaaacccggg ggt 553

<210> 11932
 <211> 641
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-E12
 <400> 11932

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 caatgctcac aagctcctat agcttccctt ctccccccat accttccatc aatgatagct 180
 tcagtatgtg aaaaccagc tcttcagccc tataggctcc aacaagcaat cgcagcaagc 240
 aacatacctt tatcaccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca 300
 ttggtacaaa ccatcagggc acagcagctg cagcaactcg tgctacctgt gatcaaccaa 360
 gtagctctgg caaacctttc tcctactct cagcaacaac aatttcttcc attcaaccaa 420
 ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt cagccagcta 480
 gctactgcct actctcagca acaacaactt ctccattta accaattggc cgcactgaac 540
 cccgctgctt atttgcagca gcaaatacta ctaccattta gccagctagc tgcagcaaac 600
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<210> 11933
 <211> 657
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-E2

<400> 11933

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ccttatgctc cttgggtcttt ctgcaagtgc tgctacggcg accattttcc cgcaatgctc 120
gcaagctcct atagcttccc ttcttccccc gtacctctca ccagcgggtgt cttcgggtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcacagctg gcatcttacc 240
tttatcacc cttgttctcc aacaatcatc agccctatta catcagttac ctttgggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgccctactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca 480
atttcttcca ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca 540
actactacca tttagccagc tagctgggtg gagccctgct accttcttga tacaaccaca 600
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<210> 11934

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-E4

<400> 11934

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gccgccgtga ggactccggc gaatggcgct ccgcgtcgcc tcgggcctcc tccgccgccg 120
cgccgtcgcc actctagggc tactaaggag tcatacacat gtcagaaact acagcagtca 180
actttcagct ttgattccag ctacttctca atgctcaaat ctgacaagaa gacgctatta 240
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caagtccgag gctgttgtgc ccttcatggg tgaatctgta actgatggaa ctcttgctaa 360
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tgataaggct actatagatg tcgcaagtcc tgaagctggt gttattgaaa agctcattgc 480
tagtgaaggc gacacagtta ctccaggcac taaagttgca atcatatcca agtctgctca 540
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<210> 11935
 <211> 640
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-E6

 <400> 11935

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ctcgcaagct cctatagctt cccttcttcc cccgtacctc tcaccagcgg tgtcttcggg 180
atgtgaaaac ccaattcttc aaccctacag gatccaacag gcaatcgag ctggcatctt 240
acctttatca cccttggttc tccaacaatc atcagcccta ttacaacagt tacctttggg 300
gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaact 360
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tgcttcttat ttgcaacaac aacaactacc attcagccag ctacctgctg cctaccccca 480
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acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct tgacacaacc 600
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<210> 11936
 <211> 627
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-E7

 <400> 11936

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accattttcc cacaatgctc acaagctcct atagcttccc ttcttcccc atacctctca 180
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atcgcaacag gcattcttacc attatcacc ttgttcttcc aacaaccgtc agccctatta 300
  
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cagcagttac ctttgggtcca tttgggtggca caaaacatca gggcacaaca actacaacaa 360
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 ctggctgcat tgaactctgc tgettatttg caacaacaat taccattcag ccagctagtt 480
 gctgcctacc ccagcaatt tcttccattc aaccaactag cagcattgaa ctctgctgct 540
 tatttacagc agcaacaact actaccattc agccagctag ctgatgtgag ccctgctgcc 600
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<210> 11937
 <211> 637
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-E8
 <400> 11937

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<210> 11938
 <211> 528
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-E9

<400> 11938

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cgctgcccc accggaggtc ctggagcaga agcttgtggc acagcacggg ngaaatgcag 480
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<210> 11939

<211> 622

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-F1

<400> 11939

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acctttatca cccttggttc tccaacaatc atcagcccta ttacagcagt tacctttggg 180
gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaacct 240
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catcattggg ggtgccctct tt 622

<210> 11940

<211> 537
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-F10

<400> 11940

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 agctgaagga aagtgtgaag agtttccagg gtgttttggg tggcaagtat gatgacctcc 180
 ctgagcagtc attctacatg gttggaggca ttgaggaagt cattgctaag gccgagaaaa 240
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 tccatTTTTg gatttaagcg attgtttatg cttttgcag ttaggcagga cgagttggag 360
 gtccatctcc tgctgagatg cttgtttttc tctttgttgt tcaaacactt tacacccaaa 420
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<210> 11941
 <211> 632
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-F11

<400> 11941

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 caccgcgctc agcacgcctg ctgcggacaa gctgctccat gggcctatct ctggcaagaa 180
 gtgcaagaaa ccaggcccga ggaagattca taaggctgag agggagaagc ttaaacgaga 240
 ccacctaaat gatctctttg ttgagctggg taatatgcta gaagcagata ggcagaacaa 300
 tgggaaagca tgcatactga ctgacactac tcggatacta agagacctgc ttgttcaagt 360
 agactctctt cgaaaggaac atagcgacct acaaaacgaa tctcattatg taacaatgga 420
 gagggatgag atgcaggatg aaaacggcgt gtcgcgcaaa gaaatttcag agcttcaaaa 480
 cgagttgaca atgcgggttt caggcagtcc agcaggttgg ggccatggca ccgccagatc 540

agatccccct cttcctcact caacggcagt gttctcgtcg gagcaggcga tgcaaccacc 600
caccattgca agcgttgat tcccgttgca gc 632

<210> 11942

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-F12

<400> 11942

agaacaacta gcaacatagn aaagcacaat agtgtaccaa caatggcagc caaaattttt 60
gcctccttat gtccttgggt ctttctgcaa gtgctgctac ggcgaccatt ttcccacaat 120
gtcacaagc tectatagct tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg 180
tatgtgaaaa cccaattctt caaccctata ggatccaaca ggcaatcgca gctggcatct 240
tacctttatc acccttggtc ctccaacaat catcagccct attacagcag ttacctttgg 300
tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttggtg ctagcaaacc 360
ttgctgccta ctctcagcaa caacagtctt ttccattcaa ccaactagct gcattgaact 420
ctgctttctta tttgcaacaa caacaactac cattcagcca gctatctgct gcctaccccc 480
agcaatttct tccattcaac caactgacag ctttgaactc tcttgcttat ttacagcagc 540
aacaactact accattcagc cagctagctg gtgtgagccc tgetaccttc ttgacacaac 600
cacaattggt gccgttctac cagcacgctg cgc 633

<210> 11943

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-F2

<400> 11943

ccaacagcac atanaagtgg aatccagtag caacaacaga gcaacaatgg cgaccaagat 60
attttccctc cttatgctcc ttgctctttc tgcattgtgt gctaacgcga caattttccc 120
tcaatgctca caagctccta tagcttcctt ttttccccca taccttccat caatgatagc 180

ttcagtatgt gaaaacccag ctcttcagcc ctataggctc caacaagcaa tcgcagcaag 240
 caacatacct ttatcacctt tgttggttca acaatcgcca gccctatctt tgggtgcagtc 300
 attggtacaa accatcaggg cacagcagct gcagcaactc gtgctacctg tgatcaacca 360
 agtagctctg gcaaaccttt ctccctactc tcagcaacaa caatttcttc cattcaacca 420
 actgtctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat tcagccagct 480
 agctactgcc tactctcagc aacaacaact tcttccattt aaccaattgg ccgcactgaa 540
 ccccgctgct tatttgcagc agcaaatact actaccattt agccagctag ctgcagcaaa 600
 ccgtgcttcc ttcttgacac agcaacagtt gctgcctttc 640

<210> 11944

<211> 319

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-F3

<400> 11944

ccctcttaca actgcaacaa ttgctgccat tcaaccaact tgctttgaca aaccagcag 60
 cgttctacca acaaccatc attggtggtg ccctctttta gattttttat tgnactattt 120
 ctcatattgaa atctaagaga gggcgcccc tttgtttggt tggtggtngt ggcgcggggg 180
 ggggggtgtg cttggtgggt gtcgggcggt tnttgtggcc gttgttggtt ggcggtcgcg 240
 tggggggggg ggtgtttctg gtttgggggt ttctgtgcgt ggtgtttggc gttttttgtt 300
 ttgtgttttt ttgggttgt 319

<210> 11945

<211> 602

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-F4

<400> 11945

tgctcgctg naanaatcta aaccggagaa ctgttgatgt cttggcatct cgtctgtact 60
 tttattactc ttatgtgtat gagcttacca acagccttgc tgaaatccgc gggaatctgc 120

ttgctctaca cagaatggca actttgcac gtgacgagct cggccaggaa actctgctga 180
 atctttctcct ccgcaattac ctccactaca acttgtatga tcaggcagaa aagcttagat 240
 caaaggcacc tcgttttgaa gcacattcca accaacaatt ctgccgatac ttgttctact 300
 tgggcaaaat taggacaatt .cagttggagt aactgatgc taaagaaagc ctctgcaag 360
 ctgctcgtaa ggcaccaaca actgcccgtg gttttcggat ccagtgaac aaatgggcta 420
 tcatagttag gctgctgctt ggtgagattc cagagaggac tgttttcatg cagaaaggaa 480
 tgaagaaagc tctgacacct tattttgagc tcacaaatgc tgtcaggggtt ggggaccttg 540
 aactgttcag gactgtcgct gacaaatttg caagcacatt cagcgcagac aggactcgca 600
 ac 602

<210> 11946
 <211> 152
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-F5
 <400> 11946

accggtccaa aaactcccgg tcgaccagc gtccggtcag tgtgagcaat gaacctgaat 60
 gaacaattga aatgaaaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 .aaaaaaaaa aaaaaaaaaa aaaggggagg cc 152

<210> 11947
 <211> 128
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-F8
 <400> 11947

ctgcgctgg ggctcaacaa ggacaaggcc ctcttcacca ttgtcgtctc cgggaccgac 60
 tgggtgctcaa ccaagtcatt gagcagctca ataagctcgt caacgttcat agtggtgaag 120
 atctatct 128

<210> 11948
 <211> 626

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-G10
 <400> 11948

gatcgccagg cgtggcggag ccgcacccgc gcggccgggt tcgacgaccc ggactccgcc 60
 gtgcacctct gcttcgccgt gaacgcgcgg cccatgctgc acgcgtcgct cccgcggggc 120
 ggcgcgggggt tctacggcaa ctgctactac atcatgcgcg tgcgggcgcc cgcggggaag 180
 gtggcggggcg cctcggtcgc ggaggtggtg aggatgatca aggacgggaa gcgccggatg 240
 cccgcggagt tcgcgcgctg gcgcgcgggg gactcggggc ccggcggcgt cgaccctac 300
 cagatcacgt ccgactaccg cacgtgctg gtgtccgact ggacgcgcct cggcttcgcg 360
 gaggtggact acggatgggg cccgcccgcg cacgtcgtgc cgctgacaaa cctggactac 420
 atcgccacgt gcctcctcgt gaagccctgg gccacaagc caggggcgcg gctcatcacg 480
 cagtgcgtca ccccgaccg cgtcgccgcc ttccacgagg ccatgctcga caccagctgc 540
 tgatcggaga gaagagatga gtctgggggc tctatttgca tgcctcgtct gtgtctgtgt 600
 ggtgggaagc cgccgcctac ttacag 626

<210> 11949
 <211> 634
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-G11
 <400> 11949

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 aagggggaga agtgtactgc tccgtcgacc agtgcgcgca ccgccgggca gggctgctca 120
 tctcgtcgac gaccagtgga ttaatcgga tggcggctct ggccacgtcg cagctcgtcg 180
 caacgcgcgc cggcctgggc gtcccggacg cgtccacgtt ccgcgcgggc gccgcgcagg 240
 gcctgagggg gccccgggcg tcggcggcgg cggacacgct cagcatgcgg accagcgcgc 300
 gcgcggcgcc caggcaccag cagcaggcgc gccgcggggg caggttcccg tcgctcgtcg 360
 tgtgcgccag cgcggcatg aacgtcgtct tcgtcggcgc cgagatggcg ccgtggagca 420
 agaccggcgg cctcggcgac gtctcggcg gcctgccgcc ggccatggcc gcgaacgggc 480

accgtgtcat ggtcgtctct ccccgctacg accagtacaa ggacgcctgg gacaccagcg 540
 tcgtgtccga gatcaagatg ggagacgggt acgagacggt caggttcttc cactgctaca 600
 agcgcggagt ggaccgcgtg ttcgttgacc accc 634

<210> 11950
 <211> 358
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-G2
 <400> 11950

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 cagctgcttc cattcaacca actgactctg tcgaactctg ctgcgtacct acaacagcga 120
 caacagttac ttaatccatt ggtagtggct aaccattgg tcgccgcctt cctacagcag 180
 caacaattgc tgccatacaa ccagttctct ttgatgaatc ctgtcttgtc gaggcagcaa 240
 cccatcgttg gaggtgccat ctttttagatt acatatgaga tgtactcgat aatggtgccc 300
 tcataccgac gtgtgtttcc tagaaataat caatatattg attgagattt atctcgat 358

<210> 11951
 <211> 210
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-G3
 <400> 11951

ttctcttaca actgcaacaa ttgctgccgt tcagaccgac ttgctttgac aaaccagca 60
 gcgttctacc aacaacccat cattgggtgggt gtatTTTTTTT ggtgtttgct tttccgggtg 120
 tgggtgcttt ttagttgggt cctgggattg tgTTTTTTTgt tgtggcttct ggttgtgggg 180
 ggggggttgt gtctTTTTTgt gtgcttttgg 210

<210> 11952
 <211> 677
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-G5

<400> 11952

tgcgaacata catagtgaaa tacactacca acatctcatc accaatggca ggcaacatat 60
tgccatcctt gcccttcttg ctctttatca agcgttgcta ccgtgactct tattccacaa 120
tgctcacaac actacctctt tccggtgaca gccgtgcgca tttgcaatac cactaactgt 180
atcagattcc tacagtgtgtg acaagcagga ccctctgcaa acacagcata ctgtacggaa 240
cgaagacgca tctgcacgcg atcgcaacca acacacttat gctccatatac tgcgaacaca 300
cacatatctg taatgacatac tattttctgca aagaattgga gcccaacaac tacaacaaca 360
gttgcttcca acaatcaatc aactagttgc aaccaacctt gctgcttacc tccagcaaca 420
acaatttctt ccattcaatc aactagctgg ggtgaaccct gctgcttact tgctggcaca 480
acagctacta ccattcaacc aacttgtaag gagccctggt gtgcttatta ctgaaaaaca 540
gaagcttcca ttccatctac aagggtgcggc aaacatcgct gttttcttgc aacaacaaca 600
acattagctg ccattatacc cactagctga gggaaacatt aacgccttct tgcacagcaa 660
cagttgctac cattcta 677

<210> 11953

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-H1

<400> 11953

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tgctccagcg gcgtttgcat cgcccgcgca catccaagag ccgccgccgt cgcggccagg 120
ccgggggacga cgaggacgac gacgacggtc gcggcgggcg cggcagaggc cgcttctaac 180
gggtcagcgg cggcggccgt cgcagggatc agcagcagca gcagcgcgct ggtgacctcg 240
accgtcggga aatcgacgaa catcctgtgg catgagtgcg ccctcgggca gaaggagcga 300
cagggtctgc tgaaccagaa gggctgcgtc gtgtggatca ctggcctaag cggttcaggt 360
gagggtctgca agagctgac tcttcacatt taattacgaa caaagatcct tccttttata 420
tatatatacc tgtctgtctg tctgtctgtc tgtctgtctt gacttgatca gggaaaagca 480

cgctcgcat cgcgctgagc cgcgagctgc acggcagagg ccacctcacg tacgtcctcg 540
acggcgacaa cctcaggcac gggctgaaca gggacctcag cttcggagca gaggaccgcg 600
ccgagaacat ccgcagagta gcgatgtcac tgctcgttt 639

<210> 11954

<211> 618

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-H10

<400> 11954

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atccctcttt gcgcttcttg ccttttttgt gagcgcaaca aatgcgttca ttattccaca 120
atgctcactt gtccttagtg ccattattcc acagttcctc cctccagtta cttcaatggg 180
cttcgaacac ccagctgtgc aagcctacag gctacaacaa gcgcttgctg cgagcgtctt 240
acaacaacca attgcccatt tacaacaaca atccttggca catctaacca taaaaccat 300
cgcaacgcaa cagcaacaac aatttctacc agcactgagc caactagctg tggatgaacc 360
tgctgcctac ttgcaacagc agttgcttgc atccaacca cttgctctgg caaacatagt 420
tgcataccaa caacaacaac aattgcaaca gtttctacca gcgctcagtc aactagccat 480
ggtgaaccct gccgcctacc tacaacagca acaactgatt tcatctagcc ctctcgctgt 540
ggttaatgca cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac 600
tcagctagct gtggcaaa 618

<210> 11955

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-H3

<400> 11955

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ggatgttgcc gggagcagga aggctgttgt gatccacgtc ccataccgct tgcgtaaggc 120
cttcaggaag atccatgtca ggatcgctcag ggagctggag aagaaattca gcggcaagga 180

tgtggttaatt gttgccacaa ggaggatcgt gaggccgccc aagaagggtt cagctgttca 240
 gcgccctcgc accaggactc tgactgctgt ccatgatggc atcctggagg atgttgtctt 300
 cccagctgag attgtgggga agcgtgtcag gtaccgtctg gatggtgcca agatcatcaa 360
 gatcttcttg gacccaaagg agaggaacaa cacagaatac aagctggaca cctacactac 420
 ggtctaccgc aggctgtgtg ggaaagatgt ggtctttgag taccctatgg ccgaaaatgc 480
 ataaatatga cgcccgata tccccatttt attttgttga atctggatgt ttctttgggg 540
 tctcaactag actgctccgt atgtacttca aaaaccatag ttntgatgcc aaagtgtgtg 600
 cctaggaatt tgggtactcg gaattggtag cggacctg 638

<210> 11956

<211> 512

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-H5

<400> 11956

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 tccacggagg aggcgatgcg gaacgccatc gagggcatga acggcaagga gctggacggc 120
 cgcaacatca cctgcaacga ggcccagtcg cgcgggcgcc gtggagacgg cggcggcgcc 180
 tacggtggtg gccgtggagg cggcggctac ggcgggtggc ggccgctga tggcggcgcc 240
 ggctacggcg gtggcgcgcg cggctacggt ggcggcggtg gctacggtgg tgggtggtggc 300
 ggctacggcg gtggcaaccg tggcgcgcg ctcggcaact ccgacgggaa ctggaggaac 360
 tgagcggtgg ggcccgcgcg gccaaattat cctgttcgct accgtgatgt ttaccctagt 420
 ccagagggtt tatcttcggt cgtctcgttt gttgttgccc atctgtgttt ttgattgcaa 480
 ggctcgctctg tgtcagttgt tagtgctgtg tt 512

<210> 11957

<211> 640

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-H6

<400> 11957

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 gttgccctcg ctctcctggc tctcgctgcg agcgccacct ccacgcatac aagcggcggc 120
 tgcgggtgcc agccaccgcc gccggttcat ctaccgccgc cgggtgcatct gccacctccg 180
 gttcacctgc cacctccggt gcatctccca ccgcgggtcc acctgccgcc gccggtccac 240
 ctgccaccgc cgggtccatgt gccgccgccg gttcatctgc cgcgccacc atgccactac 300
 cctactcaac cgccccggcc tcagcctcat cccagccac acccatgccc gtgccaacag 360
 ccgcatccaa gcccgtgcca gctgcaggga acctgcggcg ttggcagcac cccgatcctg 420
 ggccagtgcg tcgagttcct gaggcatcag tgcagcccgga cggcgacgcc ctactgctcg 480
 cctcagtgcc agtcgttgcg gcagcagtgt tgccagcagc tcaggcaggt ggagccgcag 540
 caccggtacc aggcgatctt cggcttggtc ctccagtcca tctgcagca gcagccgcaa 600
 agcggccagg tcgcggggct gttggcggcg cagatagcgc 640

<210> 11958
 <211> 639
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-H9

 <400> 11958

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 cttgcgcttc ttgcgctttt tgcgagcgca acaaatgcgt tcattattcc acaatgctca 120
 cttgctccaa gttccattat tacacagttc ctcccaccag ttacttcaat gggcttcgaa 180
 caccagctg tgcaagccta taggctacaa caagcaattg cggcgagcgt cttacaacaa 240
 ccaatttccc agttgcaaca acaatccttg gcacatctaa caatacaaac catcgcaacg 300
 caacagcaac aacaattcct accagcactg agccacctag ccatggtgaa cctgccgcc 360
 tacttgcaac agcagttgct tgcacaaac ccacttgctc tggcaaacgt agttgcaaac 420
 cagccacaac aacagctgca acagtttctg ccagcgctca gtcaactagc catggtgaac 480
 cctgccgcct acctacaaca gcaacaactg ctttcatcta gcccgctcgc tgtggccaat 540
 gcacctacat acctgcaaca acaattgttg caacagattg taccagctct gactcagcta 600

gttgtggcaa accctgctgc ctacttgcaa cagctgctt

639

<210> 11959

<211> 322

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A1

<400> 11959

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ctgggtgtgag ccctgctacc ttnttgacac aaccacagtt gttgccgttc taccagnacg 120

ttgtgcctaa cgctggcacc ctnttacaac tgcaacaatt gctgncattc aaccaagttg 180

gtttgacaaa ccagcagtg ttttaccac aacctatgat tgggtggtgcc atnttttaga 240

ttatttatga gttatagttg aataataaag tgttttatgt gaaaaaaaaa aaaaaaaaaa 300

aaaggggggt tgggtgtagag ga 322

<210> 11960

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-A10

<400> 11960

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acctccacgc atacaagcgg cggctgcggc tgccagccac cgccgcccgt tcatctaccg 120

ccgcccgtgc atctgccacc tccggttcac ctgccacctc cgggtgcatct cccaccgccg 180

gtccacctgc cgccgcccgt ccacctgcca ccgcccgtcc atgtgccgcc gccggttcac 240

ctgccgcgcg caccatgcca ctacctact caaccgcccc ggcctcagcc tcatccccag 300

ccacacccat gcccgtgcca acagccgcat ccaagcccgt gccagctgca gggaacctgc 360

ggcggttgga gcaccccgat cctgggccag tgcgtcgagt tcttgaggca tcagtgcagc 420

ccgacggcga cgccctactg ctgcctcag tgccagtcgt tgcggcagca gtgttgccag 480

cagctcaggc aggtggagcc gcagcaccgg taccaggcga tcttcgggctt ggtcctccag 540

tccatcctgc agcagcagcc gcaaagcggc caggtcgcgg ggctggtggc ggccgagata 600

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641

<210> 11961

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A11

<400> 11961

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gcctccgng aaagaagggg tcacgatgca tactaaatcc ccagcgacca agaaaaatat 120

aaagataccc aaccaagtgc aataaatctt ttcaaggaga tgtattgcgg caagaagaaa 180

tgatttagta aaattgttca gaaagctatt gatgatatgg aagcaatggg ggcagcatca 240

gttgaagtta gacaacttgt gatgtcttct acccaagttg tttctcatgt cttgcccagc 300

tcaagtaaatt tccttcacaa tgttggcctt cagcctgcct ccaagacaag ctctatttca 360

gcaaaggtgc acgagcttca atctcaattg gagaccaaga gacaagaaaa agatggactt 420

aggcaagaaa tggaatcctt aaaggctaca tcacaagaat ttatgaccac tattgctaatt 480

caaacaattg agatcgagaa tttaaagaag tcgctagcag aaaataatag ccttcttcgt 540

cagatactaa gcaccaatcg aggcattgtct cctccttaag attggttgcta tagtcgacca 600

tgccaatgtt acatccaaca aacttgact actttttt 638

<210> 11962

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A12

<400> 11962

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cttccttatg ctcttggtc tttctgcaag tgttgetacc gcnaccattt tcccacaatg 120

ctcacaagct cctatagctt cctttcttcc cccatacctc tcaccagcgg tgtcttcaat 180

gtgtgaaacc ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240

accattatca cccttggtcc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttggtc tagcaaacct 360
tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct acccccagaa 480
atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 540
actactacca ttcagacagc tatctgatgt gagc 574

<210> 11963

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-A3

<400> 11963

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ctcgtcgcga gcgccacctc cacgcataca agcggcggct gcggctgcca gccaccgccg 120
ccggttcatc taccgccgcc ggtgcatctg ccacctccgg ttcacctgcc acctccggtg 180
catctccac cgccgggtcca cctgccgccg ccgggtccacc tgccaccgcc ggtccatgtg 240
ccgccgccgg ttcactctgcc gcgccacca tgccactacc ctactcaacc gccccggcct 300
cagcctcatc cccagccaca cccatgcccg tgccaacagc cgcattccaag cccgtgccag 360
ctgcagggaa cctgcggcgt tggcagcacc ccgatcctgg gccagtgcgt cgagtttctg 420
aggcatcagt gcagcccgac ggcgacgcc tactgctcgc ctaagtgcc gtcggtgcgg 480
cagcagtgtt gccagcaact catgcagtg gagccgtagc accggtacca ggcatcttc 540
ggcttggagc tgcagtcca 559

<210> 11964

<211> 340

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-A5

<400> 11964

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ctagctggtg tgagccctgc taccttcttg atacaaccac agttgttgcc gttctaccag 120
cacgctgcgc ctaacgctgg caccctctta caactgcaac aattgctgcc attcaaccaa 180
cttgctttga caaaccagc agcgttctac caacaacca tcattggtgg tgcctctttt 240
tagatttctt atgagttata gttcaataat aaagtttttt ggctgatgtt tgtggcttcc 300
tagaaataag aaggtacatt acctaaaaaa taaaaaata 340

<210> 11965

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A6

<400> 11965

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tccttatgct ccttggctctt tctgcaagtg ctgctacggc gaccattttc ccacaatgct 120
cacaagctcc tatagcttcc cttcttcccc cgtacctctc accaacgggtg tcttcggtat 180
gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgagct ggcatcttac 240
ctttatcacc cttgttctc caacaatcat cagccctatt acagcagtta cctttggtgc 300
atattattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcaaccagct atctgctgcc taccctcagc 480
aatttcttcc attcaaccaa ctgacagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagcttgtg tgagccctgc taccttc 587

<210> 11966

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A9

<400> 11966

attgagaaca actagcaaca tagnaaagca caatagtgtg ccaacaatgg cagccaaaat 60

ttttgectcc ttatgctcct tggctctttct gcaagtgtctg ctacggcgac cattttccca 120
 caatgtcac aagctcctat agcttccctt cttccccogt acctctcacc agcggtgtct 180
 tcggtatgtg aaaacccaat tcttcaaccc tataggatcc aacaggcaat cgcagctggc 240
 atcttacctt tatcaccctt gttcctccaa caatcatcag ccctattaca gcagttacct 300
 ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
 aaccttgctg cctactctca gcaacaacag tttcttccat tcaaccaact agctgcattg 420
 aactctgctt cttatttgca acaacaacaa ctaccattca gccagctatc tgctgcctac 480
 ccccagcaat ttcttccatt caaccaactg acagctttga actctcctgc ttatttacag 540
 cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca 600
 caaccacaat tgttgccgtt ctaccagcac gctgogccta acgctggcac cctc 654

<210> 11967
 <211> 672
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-B1

 <400> 11967

gnaaagcaca tagtgtacca acaatggcag ccaaaatatt ttgcttcctt atgctccttg 60
 gtctttctgc aagtgtgtgt accgcaacca ttttccaca atgctcaca gctcctatag 120
 cttcctttct tccccatac ctctcaccag cgggtgtcttc agtatgtgaa aaccaattc 180
 ttcaacccta caggatccaa caggcaatcg cagcaggcat cttaccttta tcacccttgt 240
 tcctccaaca accgtcagcc ctattacagc agttaccttt ggtgcatttg ttggcacaaa 300
 acatcaaggc acaacaacta caacaacttg tgctaggaaa ccttgctgcc tactctcagc 360
 aacagcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct tatttgcaac 420
 aacaactacc attcagtcag ctagctgctg cctacccccca gcaatttctt ccattcaacc 480
 aactggcagc attgaactct gctgcttatt tacaacagca acagctacca ccattcagcc 540
 agctagctga tgtgagccct gttgccttct tgacacaaca acagttgttg ccgttcttac 600
 ctgcacgctg cgctaacgc ttgcaccctc ttacaactgc aacaattgct gccattcaac 660

caacttgctt tg

672

<210> 11968

<211> 476

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-B10

<400> 11968

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gcgacgccct actgctcgcc tcagtgccag tcgttgccgc agcagtgttg ccagcagctc 120

aggcaggttg agccgcagca ccggtaccag gcgatcttcg gcttggctct ccagtccatc 180

ctgcagcagc agccgcaaag cggccagggtc gcggggctgt tggcggcgca gatagcgag 240

caactgacgg cgatgtgcgg cctgcagcag ccgactccat gccctacgc tgctgccggc 300

ggtgtcccc actgaagaaa ctatgtgctg tagtatagcc gctggctagc tagctagtgt 360

agtcatttag cggcgatgat tgagtaataa tgtgtcacgc atcaccatgg gtggcagtgt 420

cagtgtgagc aatgacctga atgaacaatt gaaatgaaaa gaaaaaagta ttgttc 476

<210> 11969

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-B11

<400> 11969

tcagnatttt gatcctaatt catgtggttg ggcttatgga atgaacatgt ttgatctgga 60

agaatggaag aagaaagaat tactggaatt taccacaaat ggcagaacat gaacgagaac 120

aggctgctct ggaaactggg gacattgccca ccagggttc taacttttta caagctgaca 180

caccctctgg acaaatcatg gcatgtgctt ggcttagggt acaatccaac cattgagcgc 240

tcagagatag acaatgctgc tgtcatccac tacaatggta acatgaagcc ctggctggaa 300

attgcaatga taaagtatcg gccttactgg acaaagtaca tcaattatca gcattcctac 360

attcatggat gcaagatcag ccaatagaaa ccaccctcag atattcttat gtgatgaaca 420

ttgaagttgg atgggactca aaatgaaatc agtataacta tcacatgttc ttattcgtg 480

ttatattaga tttgttagtt atcatgtgta tgtagtttcg tcgccctttt gtggtgcttt 540
ctccccctagc tcattgttgg ttcttgtctc tttttgtcat gaaaagacga tgagctctat 600
gattctcatc agctgataaa tgtaatgtct gaatttctgt cggtgacaaa ttaatgatcc 660

<210> 11970
<211> 482
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-K6-B2

<400> 11970

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atTTtgctc cttatgctcc ttggtctttc tgcaagtgtc gctacggcga ccattttccc 120
gcaatgctcg caagctccta tagcttcctt tcttcccccg tacctctcac cagcgggtgc 180
ttcgggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcgcagctgg 240
catgttacct ttatcacctt tgttcctcca acaatcatca gccctattac aacaggtacc 300
tttgggtgcat ttattggcac aaaacatgag ggcacaacaa ctacaacaac ttgtgctaac 360
aaaccttgct gactactctc agcaacagca gtttcttcca ttcaaccaac tgaagtcatt 420
gcactctgct aatttattac aacaacaaca actaccataa cagcagctac ctgctgtcta 480
cc 482

<210> 11971
<211> 603
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-B3

<400> 11971

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gcgtgcacga cgtcgtgctc gtcggtggtc ccacccgcat cccaagggtg cagcagctgc 120
tgcaggactt cttcaacgga aaggaattgt gcaagagcat caaccccgac gaggtgtggt 180
cgtacggcgc cgctgtccag gctgccatcc tcagcggcga gggcaacgaa aaggtacaag 240

atctgctcct gctcgacgtc acgccactgt ctctcggcct ggagactgca ggtggcgtca 300
 tgacggtgct gatcccgagg aacaccacca tcccgaccaa gaaggagcag gtcttctcca 360
 cgtactccga caaccagccg ggcgtcctga tccaggtgta cgaggggtgag cgcgcgagga 420
 ccaaggacaa caacctactc ggcaagtctg aactctccgg catccctcct gctccccgcg 480
 gcgtgccccca gatcacggat accttcgaca tcgatgccaa cagcattctc aacgtctctg 540
 ccgaggacaa gaccaccggc cagaaagaca agatcacgat caccaacgac aaggggcccg 600
 ctt 603

<210> 11972
 <211> 639
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-B4
 <400> 11972

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 caggtttgca gcctgatcgt gccatataca atttgctggt agaagcattt tgtaagatgg 120
 gaaatatgga tcgagctatt cgcattatcg aaagaatgca gaaggaacga atgcaaccat 180
 caaatagaac attcagacct atcatagaag gatttgcagt tgctggagat atgaaaagg 240
 ctttcgatac ctttgaccta atgcggcgaa gcggttggtc tcctactgta atgacttaca 300
 atgctctcat tcatgggcta gttagaaagc accagggtga aaaggccgtt tctgtacttg 360
 acaagatgtc tattgctggc attgcaccaa atgagcatac atacacgac attatgagag 420
 gttatgctgc tagtggagat attgggaagg cttttgagta tttcaccaaa atcaaagaga 480
 gtggcctaaa gcttgatgtg tacattttacg aaacattgtt gagagcatgt tgcaaatcaa 540
 gaagaatgca aagtgcctta gcagttacac gagagatgag ctttcagaag atacccgaga 600
 aaacatttat atataatatt ttgattgatg gttgggctc 639

<210> 11973
 <211> 651
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-B7

<400> 11973

cacaatagtg taccaacaat ggcagccaaa atttttgcct ccttatgctc cttggtatatt 60
ctgcaagtgc tgctacggcg accattttcc cgcaatgctc acaagctcct atagcttccc 120
ttcttccccc gtacctctca ccagcgggtgt cttcggtatg tgaaaaccca attcttcaac 180
cctacaggat ccaacaggca atcgagctg gcatcttacc tttatcacc ttgttccctc 240
aacaatcatc agccctatta cagcagttac ctttggtgca tttattggca caaaacatca 300
gggcacaaca actacaaca cttgtgctag caaaccttgc tgctactct cagcaacagc 360
agtttcttcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg caacaacaac 420
aactaccatt cagccagcta cctgttgct acccccaaca atttcttcca ttcaaccaac 480
tggcagcatt gaactctcct gcttatttac agcagcaaca actactacca ttcagccagc 540
tagctgggtg gagccctgct accttcttga cacaaccaca gttggtgccg ttctaccagc 600
acgctgcgcc taacgctggc acctcttac aactgcaaca attgctgcc t 651

<210> 11974

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-B8

<400> 11974

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tggtgttgaa ttcgtgagt agtatggcgt ggaggcttac cctttcacac canacgggtca 120
tgaactgaag aacaggaaag gcagaaaagg agaataaac tattcaaagc gtgcttggca 180
catctactcg agactatctc atttcaaaca agggagacaa ggtaccatc tctgagcttg 240
aggggaagta tgttggtctt tgctttgtgg tggatggctt tccaccactc gctgaattca 300
ctgaggtgct tgctaagatc tatgagaaac tcaaagaagt gggagagaaa tttgaagttg 360
tagctgtatc cttggacagt gaagagtcac catttaatga gagttttgca aagatgcctt 420
ggcttgcaat tcctcaaggt gacattaagt gtcagacgct ggttcgttac tttgagctta 480
gttctcttcc aacactagtt ctgattggcc ctgatgggaa gacactgaac aacaatgtcg 540
ccgacataat tgacgaccat ggttttgagg catgggaggg cttcccttc agtgctgaga 600

agctggaaat tcttgctg

618

<210> 11975

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-B9

<400> 11975

ggcggcgatg gtgtcggact cggagctggt ggagcggctg caggagggtgc tgcggtcgtc 60
ggacctcaac accacgacca ccgctgccct gcgcgcgcgc ctcgaggagg actttggcgc 120
cgacctctcc cacaaaaagg ccctcatcgc ggagcaggtc gacctcttcc tcgcgcgaggt 180
cgccgccaag gccgagccgc aggagcccaa ggaggaggag cccgaggagg cgccggtgcc 240
taaggaggag gagccagagg agctcgaggg ggtggaggag gagggcgagg gggaggacga 300
agaagaagaa gaggaggagg aggaggagga atgcgaggat gagaatagca gttgcgcccc 360
gaagaagcag cgggggttatg atggcaaaaa gaggggtggt gggttgacaa aattgtgcag 420
gtctataccg gcgctacaag agtttgt 447

<210> 11976

<211> 516

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-C1

<400> 11976

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gagatggtga aggcaattgt gtccagggtg actgaagtga tgccaaaagc tgcattttt 120
acttcttccc aaatagcaac ctcaagcaat ggattcgact cctcggttat gtctacgaca 180
gcgacaactg gaagctctgg aagcactgtg aactgacctt ggggtttagt gcagaggcgt 240
caaacgagct agcatcaagc cgatctctgc caaacctggt gctaagaaac ctgcacttga 300
ttcaccatct ctccaagggtg acaacagcat caactctgag gttgttctg cgacgcagac 360
tgatgaatcc agctaaagct ctacatttga aacgaacgct ttttgacggg ggcacggcga 420
taacacgcct tgtattctag tatgcttaga tagattcaat gtttagcgca aacgactgat 480

gataagttta gcagttggtc ttttaatttg gattta

516

<210> 11977

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-C10

<400> 11977

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ccttgcctctt tctgcatgtg ttgctaacgc gaccattttt cctcaatact cacaagctcc 120
tatagctgcc cttcttcccc cataccttcc atcaatgacc gctttagtat gtgaaaaccc 180
agcccttcaa ccctacagga tccagcaagc aatcgcaaca agcaacttac ctttatcaca 240
cctgttcttt caacaatcgc cagccctatc tttggtgcag tcattggtac aaaccatcag 300
ggcagaacag ttgcagcaac tcgtgctacc agtgatcagc caagtagctc tggcaaacct 360
ttccccctac tctcagcaac aacaatttct tccattcaac caactgtcta tactgaaccc 420
tgctgcttat ttgcagcaac aacaactact accattcagc cagctagcta ctgcctactc 480
tcagcagcaa caatttcttc catttaacca attggccgca ctgaaccctt ctgcttattt 540
ccagcagcaa atactactac catttggcca gctagctaca acaagccccg cttccttctt 600
gacacaacaa c 611

<210> 11978

<211> 487

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-C11

<400> 11978

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actgaacctt gctgcttatt tgcagcaaca actattacca ttcagccagc tagctactgc 120
ctactctcag caacaacaac ttcttccatt taaccaattg gccgcactga accccgctgc 180
ttatttgcag cagcaaatac tactaccatt tagccagcta gctgcagcaa accgtgcttc 240
cttcttgaca cagcaacagt tgctgccttt ctaccagcag tttgaggcta accccgcaac 300

cctcttataca ctacaacaat tgttgccctt tgtccaactt gctttgacag accgagcggc 360
ctoctacca caacacatca ttgggtgtgc cctcttttag attgcttatt agttgtaatt 420
caataataaa gttttttgga tgatgtatgt ggccaaccag aaataagaag ttacatttcc 480
agattttt 487

<210> 11979
<211> 333
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-094-Q1-K6-C3
<400> 11979

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attcagccag ctagctgggtg tgagccctgc taccttcttg atacaaccac agttgttgcc 120
gttctaccag cacgctgcgc ctaacgctgg caccctctta caactgcaac aattgctgcc 180
attcaaccaa cttgctttga caaaccagc agcgttctac caacaacca tcattgggtg 240
tgccctcttt tagatttctt atgagttata gttcaataat aaagtttttt gtctgatgtt 300
tgtggcttcc cagaaataag aaagtacatt tct 333

<210> 11980
<211> 661
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-094-Q1-K6-C4
<400> 11980

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ttctgcaagt gctgctacgg cgagcatttt cccgcaatgc tcacaagctc ctatagcttc 120
ccttcttccc ccatactct caccagcgat gtcttcagta tgtgaaaatc caattcttct 180
accctacagg atccaacagg caatgcgagc aggcattctta cctttatcac ccttgttcct 240
ccaacaatca tcagccctat tacagcagtt accttgggtg catttattgg cacaaaacat 300
cagggcacia caactacaac aactcgtgct agcaaacctt gctgcctact ctcagcaaca 360
gcagttacct ttgggtgcatt tgttggcaca aaacatcagg gcacaacaac tacaacaact 420

cgtgctagca aaccttgctg cctactctca gcaacaacag tttctgcat tcaaccaact 480
 agctgcattg aactctgctg cttatttgca gcaacaacaa ctactaccat tcagccagct 540
 agctgctgcc tcccccggc aatttcttcc attcaaccaa ctggcagcat tgaactctca 600
 tgcttatgta caacaacaaa cactactacc attcagccag ctgctgctg tgagccctgc 660
 t 661

<210> 11981
 <211> 663
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-C5

<400> 11981

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 aatgctcgca agctcctata gttcccttc tttccccgta cctctcacca gcggtgtctt 180
 cggatatgta aaaccaatt cttcaaccct acaggatcca acaggcaatc gcagctggca 240
 tcttaccttt atcacccttg ttcctccaac aatcatcagc cctattacaa cagttacctt 300
 tgggtgcatth attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa 360
 accttgctgc ctactctcag caacagcagt ttcttccatt caaccaacta ggttcattga 420
 actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct gctgcctacc 480
 cccagcaatt ttttccattc aaccaactag cagcattgaa ctctcctgct tatttacagc 540
 agcaacaact actaccattc agccagctag ctgggtgtgag ccctgctacc ttcttgacac 600
 aaccacagtt gttgccgttc taccagcacg ttgcgcctaa cgctngcacc ctcttacaac 660
 tgc 663

<210> 11982
 <211> 635
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-C6

<400> 11982

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gttcctacca gcactgagcc aactagatgt ggtgaaccct gtcgcctact tgcaacagca 120
ggtgcttgca tccaaccac ttgctctggc aaacgtagct gcataccaac aacaacaaca 180
attgcaacag tttctgccag cgctcagtca actagccatg gtgaaccctg ccgcctacct 240
acaacagcaa caactgcttt catctagccc tctcgtttgt ggtaatgcac ctacatacct 300
gcaacaacaa ttgctgcaac agattgtacc agctctgact cagctagctg tggcaaacc 360
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gtacctaaa cagcgacaac agttacttaa tccactagca gtgcctaacc cattggtcac 480
tgccttcta cagcagcaac aattgctacc atacagccag ttctcttga tgaaccctgc 540
cttgtcgtgg cagcaacca tcgttgagg tgccatcttt tagatacata tgagatgtaa 600
tcgataatgg tgccctcanc cgcatgtgt ttct 635

<210> 11983

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-C7

<400> 11983

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ttcttgccct ttagtgagc gcaacaaatg cgttcattat tccacagtgc tcaactgctc 120
ctagtgccat tatccacag ttctccac cagttacttc aatgggcttc gaacatccag 180
ccgtgcaagc ctacaggcta caactagcgc ttggggcgag cgccttaca caaccaattg 240
ccaattgca acaacaatcc ttggcacatc taaccctaca aaccattgca acgcaacaac 300
aacaacaaca acagtttctg ccatcactga gccacctagc cgtgggtaac cctgtcacct 360
acttgcaaca gcagctgctt gcatccaacc cacttgctct gggaacgta gctgcatacc 420
agcaacaaca acagctgcaa cagtttatgc cagtgtcag tcaactagcc atgggtgaacc 480
ctgccgtcta cctacaacta ctttcatcta gcccgctcgc ggtgggcaat gcacctacgt 540
acctacaaca acagttgctg caacaaattg taccagctct gactcagcta gctgtggcaa 600

accctgctgc ctacttaca cagttgct

628

<210> 11984

<211> 631

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-C8

<400> 11984

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gggtgggcct cttcttaaga acaatattgc aactatgggt cttgagagc cctattatgg 120

acagcgacgt cctagcatgc agcgtgggtgc aaagctccag tgtgttagtg atctgttact 180

tctagggaaa gccacaattg atgaagctcg cagtctcttg tactggctgc agaattgaggc 240

tggttacggc aagatgggca tatgtgggct cagcatgggt ggagtacatg ctgcgatggc 300

gggatccctg catcctactc cagttgccac actgccattt ctgctccac actctgctgt 360

ggtacctttc tgtgaagggg tctacaaata cgccacagct tgggacgctt tgagaaaaga 420

tgctgcagta ttaactcaag atgtaacact ttggcagaa gatgctgcac agaaaagcgg 480

gatcaccatc gaacaagtca gggataggtt acggtcagtg ttgtctttga ctgatgtcac 540

tcgatttcca gtcccaaaga acccacaggc ggatcatctt gttggtgcaa cggacgatgg 600

ttatatccc agacattcag tgatggagct c 631

<210> 11985

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D1

<400> 11985

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actctcagca acatcagttt cttccattca accaactggc tgcattgaac tctgctgctt 120

atttgcaaca acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc 180

cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 240

cattcagcca gctagctgat gtgagccctg ctgccttctt gacacaacaa cagatgttgc 300

cgtgctacct gcacgctatg cctaacgctg gcacctctt acaactgcaa caattgctgc 360
 cattcaacca acttgctttg acaaaccxaa cagtgttcta ccaacaaccc atcattgggtg 420
 gtgccctctt tttaaattgc tttta 444

<210> 11986
 <211> 121
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-D10
 <400> 11986

tcccggtcgc ccacgcgtcg tttcatttaa ccattggaga gttgtgtgtg gagggcagta 60
 gctagctggc taatgggtata gttgttgctg aatagcgtgg gttatgtgac gtgggtgggtg 120
 g 121

<210> 11987
 <211> 665
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-D11
 <400> 11987

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 gggacgagca cctcgagaag gcggaggtga acgcccgtc ggccgcggac gagatcgcg 120
 gctcccgcgc cgaccgcggt gccgccggtg gcggcgcat cctggagagc gtgcaggagg 180
 gcgccaggtc cttggccagc gccgtgggcc gcaccttcgg tggcgccaag gacgcgaccg 240
 tggacaagac ctgcgagacg gcgcacaccg cgggcgacaa gctcggcgag tacagggact 300
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 cggaggccac ccggaacaag ctgggcgagt acaaggacag cgccgtggag aaggcgagg 420
 agaccaagga cgcggtggcg cagaagacga gcgagaccgc ggaggcgacc aagaacaagc 480
 tcggggagta caaggacgcg gcggccggca aggcgcggga ggccgcggac accaccgccg 540
 gcaaggcgag ggaggccaag gacgcgacca tgcagaatgc ctgagagacg agggacgcca 600
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acgcc

665

<210> 11988
<211> 651
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-K6-D12

<400> 11988

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tgctcctta tgctccttgg tctttctgca agtgctgcta cggcgaccat tttcccacaa 120
tgctcacaag ctctatagc ttcccttctt ccccgtagc tctcaccagc ggtgtcttcg 180
gtatgtgaaa acccaattct tcaaccctat aggatccaac aggcaatcgc agctggcatc 240
ttacctttat cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg 300
gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
cttgctgcct actctcagca acaacagttt cttccattca accaactagc tgcattgaac 420
tctgcttctt atttgcaaca acaacaacta ccattcagcc agctatctgc tgcctacccc 480
cagcaatttc ttccattcaa ccaactgaca gctttgaact ctctgctta ttacagcag 540
caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa 600
ccacaattgt tgccgttcta ccagcacgct gcgcctaacg ctggcaccct c 651

<210> 11989
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D2

<400> 11989

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cggccaagat attttccatc cttatgctcc ttgctcttcc tgcattgtgt gctaacgcga 120
ccatttatcc tcaatactca caagctccta tagctgcctt tcttgcccca tacctacat 180
caatgaccgc ttcaggttgt gaaaaccag cccttcaacc ctacaggctc caacaagcaa 240

tcgcaacaag caactgacct taatgacccc tgtgctttga acaatcgta gacctatgta 300
 tgggtgcatac attggttcaa accataaggg aacaac 336

<210> 11990

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-D3

<400> 11990

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 cgacggtcgc tcgctgctgc agcgggcgct tgctgtgcgt cgcgtgggct cggccggagc 180
 ccggagggag gcggagcctt ccccggtct cgaagatggc ggcgccgccg gcgagggccc 240
 gggccgacta cgactacctc atcaagctgc tctcatcgg cgatagcggg gttgggaaaa 300
 gttgtctcct tttgcggttc tcagatggct ctttcaccac tagctttatc accaccattg 360
 ggattgactt caaaataaga acagttgagc ttgatggtaa gcgcgtaaag ttacagatat 420
 gggatactgc tggtaagag cggtttcgaa ctattacaac cgcctactac aggggtgcaa 480
 tgggaatddd gcttgtctat gatgttactg atgagtcac tttcaataat ataagaaact 540
 ggattaggaa catagagcaa catgcttccg acaatgtgaa taaaattttg gtaggcaaca 600
 aagctgacat gnatgaaagc aaacgggctg tgcc 634

<210> 11991

<211> 150

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D5

<400> 11991

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 aatcctacca ccttattgca gcagcccacc attggtggtg ccatcttcta gattttttta 120
 tgctttatac tgtaataata aagttctcat 150

<210> 11992
<211> 632
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D6

<400> 11992

gtgagtttgc ctctatcccg cccacctcac cgtcgttgtc tccgccacca ccaccgtcc 60
caccactgcc atgcattaac ctcaaccctt ccgcaaacta ttcactgtca ctttgtcatc 120
ggcgctccat cgttcactca aatgtgggtct ccgatacctg gcaccctcat gaggactagt 180
tcactccctg ctgtcattga ggcttctggc aatgatgact ggaagaaacg aaaggaagca 240
cagagcctga agaggctcga ggttaagaag aagaggattg agaggaggaa ctctctcacc 300
tgcaacactt caaaagaagc tgctgggcag agtcagaag agatgaatgc aaacactgac 360
aaattagtaa gttctgatga aactattgcc agcgctaacg aaagtcatac cagtggcaag 420
catctgggtga aggggcttcc accaaagtac caggctacaa ttacatcaca agacagtctg 480
tcagcaatgc gaaagaagcc aaactcggcc ttcaaaggaa cagccatcac tgaggagcag 540
aactatcatc gtctgttctt tctccggtg aagctataag tagcgtgacg gcaccaagtc 600
tgctctgtt gtctttggtc ccctacagc ac 632

<210> 11993
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D7

<400> 11993

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gctgctacc ccagcaatt tcttccattc aaccaactag cagcattgaa ctctgctgct 120
tatttacagc agcaacaact actaccattc agccagctag ctgatgtgag cctgctgcc 180
ttcttgacac aacaacagtt gttgccgttc tacctgcacg ctatgcctaa cgctggcacc 240
ctcttacaac tgcaacaatt gctgccattc aaccaacttg ctttgacaaa cccaacagtg 300
ttctaccaac aacctatcat tgggtgtgcc ctcttttaga ttgcttatga gttatagttc 360
aataatgaag ttttttgat gatgtttgtg gcgtcccaga aataagaaag tacatttct 419

<210> 11994
 <211> 665
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-D8

<400> 11994

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 atgctccttg gtctttctgc aagtgtgtct acggcgacca ttttcccgca atgctcgcaa 120
 gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aaccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240
 tcacccttgt tctccaaca atcatcagcc ctattacatc agttaccttt ggtgcattta 300
 ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
 tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt 480
 cttccattca accaactggc agcattgaac tctcctgctt atttacagca gcaacaacta 540
 ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgataca accacagttg 600
 ttgccgttct accagcacgc tgcgcctaaa cgctgcaccc tcttacactg caacaattgc 660
 tgcca 665

<210> 11995
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-E1

<400> 11995

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 aactattacc attcagccag ctagctactg cctactctca gcaacaacaa cttcttccat 120
 ttaaccaatt ggccgcactg aaccccgctg cttatttgca gcagcaaata ctactaccat 180
 ttagccagct agctgcagca aacogtgctt ccttcttgac acagcaacag ttgctgcctt 240

tctaccagca gtttgcggct aaccccgcaa ccctcttaca actacaacaa ttgttgcctt 300
 ttgtccaact tgctttgaca gaccgagcgg cctcctacca acaacacatc attggtgggtg 360
 ccctctttta gattgcttat tagttgtaat tcaataataa agtttttttg atgatgtatg 420
 tggccaacca gaaataagaa gttacatttc cagattttta tgtg 464

<210> 11996
 <211> 662
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-E12
 <400> 11996

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 ttttgettcc ttatgtcctt tgggtcttct gcaagtgttg ctaccgcaac cattttccca 120
 caatgtcac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
 tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240
 atcttaccat tatcaccctt gttcctccaa caaccgtcag cctattaca gcagttacct 300
 ttggtccatt tgggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
 aaccttgctg catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420
 aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgcctacccc 480
 cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgttta ttacagcag 540
 caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgacacaa 600
 caacagctgt tgccgttcta cctgcacgct atgcctaacg ctggcacccct cttacaactg 660
 cc 662

<210> 11997
 <211> 261
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-E4
 <400> 11997

acaactgacg gcnatgtgcg gcttgcanca nccnactcca tgcccctacn ctgctgccgg 60
 cggtncccc cactgaaaaa ctatgtntctg tantatance gctttctagc tanctagttn 120
 antcattnan cnncnatnat tgantaataa tgtntcacc atcaccatnn ntgncannnt 180
 cannnngagc aataacctna atnaacaatt naaatnaaaa aaaaaaagtt tnntccaaaa 240
 aaaaaaaaaa atagtttcgt t 261

<210> 11998

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-E6

<400> 11998

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 ttaatgaatc tataatctcca aagaatcgca gcacaacaac tacaacaaca gttgcttcca 120
 acaatcaatc aagtagttgc agcgaacctt gctgcttacc tccagcaaca acaatttctt 180
 ccattcaatc aactagctgg ggtgaacctt gctgcttact tgcaggcaca acagctacta 240
 ccattcaacc aacttgctcag gagccctgct gccttcttac tgcagcaaca gttgcttcca 300
 ttccatctac aagttgtggc aaacattgct gctttcttgc aacaacaaca acaattgctg 360
 ccattttacc cacaggttgt gggaaacatt aacgccttct tgcaacagca acagttgcta 420
 ccattctacc cacaggatgt ggcaacaat gtcgccttct tacaacaaca acaattgctg 480
 ccatttaacc aacttgcttt gacgaatcct accaccttat tgcagcagcc caccattggg 540
 ggtgccatct tctagatttt tttatgcttt atactgtaat aataaagttc tcatactgat 600
 atgtgcaact tctcagtaat aaaagattag agatctatat tttaagttc 649

<210> 11999

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-E7

<400> 11999

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 gatgatgact gcgcaactta tccaaaacaa tgataacatt aaacgaggag aagatgatga 120
 attttctactg gcatttgcaa ggattgaaaa ccactacttt gtgaataagg gatttttacc 180
 ctcggaactca ttcctattgg acaatgttga taagatccga catattaaag gttttattgt 240
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 gcctgaagca gaattcaagg tggtagcaga tgcagggcac tcggccaatg aagttggcat 360
 cgctgccgaa ctgaggtcag ccaccgataa actgagagac ttgctgcgca aatgagccgg 420
 cgaaaggcaa cctgcacctc tatctgatca tggaaactcag agggccataa taattacata 480
 gctgtgtaac ggtagcact gtgccgttaa acaatgtcat tgtcaaccatc gatatgttgt 540
 ttgtttgctc gctggagtgt atgaggaatt gaagtttcaa gacgggacca gaatgggtgg 600
 ggcgtngttg gtttgcgttt ttagacctgg tctgtctagc cagc 644

<210> 12000

<211> 630

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-E8

<400> 12000

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 ccggtcattg gtgcttttaa tcctgtgaag ggagagatag tcctcgcaca atttagcggt 120
 gacaactcct ggaacagagc tatgattgtt aatggacctc gttctgttga atctccggac 180
 gacaagtttg aagtattcta tattgactat ggcaaccaag aggtgggttac ctacagtcgt 240
 ttacgaacctg tagaccatc tgtttcctcg tctcctgctc ttgctcagct atgcagcctt 300
 gctttcataa aagtgccag tcttgaggat gactttggtc aggaagcagc agagtatcta 360
 agtgaatgtt tgctcagtag ctcaaagcaa taccgggcaa tgatcgaaga acatgatact 420
 tctgggggga aatcaaaagg acaaggaacc ggaaatgttc tcattgttac tcttgttgat 480
 gcggagacag aaagtagcat aaacgctacc atgcttgagg aagggttgc ccggctcgaa 540
 agaacaagan tgggacacta gggagaggaa gaggtctctc aaacctggaa cgttccagac 600
 aagcaaagaa gaaagctgcg gtttggcata 630

<210> 12001
 <211> 477
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-E9

 <400> 12001

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agcaacaact attaccattt agccagctag ctactgccta ctctcagcaa caacaacttc 120
ttccatttaa ccaattggcc gactgaacc cgcgtgctta tttgcagcag caaatactac 180
tgccatttag cgagctagct gcagcaagtc gtgcttcctt cttgacacag caacagttgc 240
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tgccctttgt ccaacttgct ttgacaaacc cagcagcctc ctaccaacaa cacatcattg 360
gtggtgcctt ctttttagatt gattattagt tgtaattcaa taataaagtt ttttgatga 420
tgtatgtggc caaccagaaa taagaagtta catttcacgc ttcnnncnnn nnnnnnt 477
  
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<210> 12002
 <211> 358
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-K6-F1

 <400> 12002

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atcctgatgg cctccgccgc ctcatcgcc gtcggcgctg gcaaactcgt gttccagggg 120
ctccgcaggt tcctcaagaa gccgtgggag atcacaggcc cctgcgccta tcccaggtac 180
cgcagcacgc tgactggcac gctcgagtac cgagtgaagt gcccgccac cgagcgcgac 240
gaccgagaca aggccataca gccacatgc gatccgggga cagtgtgcga tatgaagtgc 300
ttcaccogtg caccgtcgac ttagccgtcc gaccgagccg tgcacctac tgcgaaag 358
  
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<210> 12003
 <211> 64
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-F10

<400> 12003

cgtaatgttt ctgcacaagt tccatgtcga ggacgatgct gatataccta aatcatgtgc 60

tcct 64

<210> 12004

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-F11

<400> 12004

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gcgcccccg cgaggacatc ggcgggcgcg ccggcgaata taggaggaac ttcggggccg 180

tggccaaggt gtggagctcg tgggtggagt ccgcccgcgc cgcgtccggg gtgaggttca 240

gcgtcgcggt gcacctggag cccaagaccg cgctcgccct ggccgcccgc gacggcctct 300

tctccgcta gctagctagc tagctactag tgtcgcttag ctgcttccag gcccttctcc 360

tgagtgagca gcagtagtcg agttcttctg gaccatataa tacaatgcgc ggttcacctg 420

tacattc 427

<210> 12005

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-F2

<400> 12005

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gcaaatacta ctaccattta gccagctagc tgcagcaaac cgtgcttcct tcttgacaca 180

gcaacagttg ctgcctttct accagcagtt tgcgggtaac cccgcaaccc ttttacaact 240

acaacaattg ttgccctttg tccaacttgc tttgacagac cgagcggcct cctaccaaca 300
acacatcatt ggtggtgccc tcttttagat tgcttattag ttgtaattca ataataaagt 360
tttttggatg atgtatgtgg ccaaccagaa ataagaagtt acatttccag attttaatgt 420
g 421

<210> 12006
<211> 467
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-094-Q1-K6-F3
<400> 12006

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attcagccag ctagctggtg tgagccctgc taccttcttg acacaaccac agttgttgcc 180
gttctaccag cacgttgccg ctaacgctgg caccctctta caactgcaac aattgctgcc 240
tttgtccaac ttgctttgac aaaccagca gccttctacc aacaacacat cattggcggg 300
gccctctttt agattgctta ttagttgtaa ttcaataatg aagttttttg gctgatgtat 360
gtggcctcct agaaataaga agttatattt ccaaaaaaaaa aaattaaatg aaaaaaaaaa 420
aaaacaacat acaaaaatac aaaacaaaat aaaaaaaaaa aaaatag 467

<210> 12007
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-094-Q1-K6-F4
<400> 12007

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acgtgcagtc cgtcgcgag cagctgcaga tgatgatgca gcttgagcgt gccgctgccg 120
ccagcagcag cctgtacgag ccagctctga tgcagcagca gcagcagctg ctggcagccc 180
agggtctcaa ccccatggcc atgatgatgg cgcagaacat gccggccatg ggtggactct 240
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cctactactg attcatgata tttgggaaat ctgctctatc catctctctc tatctatata 360
 tgtaataatg cagtaagacg acacacatta tcatgtgtgg tatgaccaat aatatatgca 420
 tggtcataat aaagttttgg ttttaatgaa tc 452

<210> 12008

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-G1

<400> 12008

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 aatgctcact tgctcctagt gccattatac cacagttcct ccgaccagtt acttcaatgg 180
 gcttcgaaca cctagctgtg caagcctaca ggctacaaca agcgcttgcg gcgagcgtct 240
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 ctgtcgctta cttgcaacag caggtgcttg catccaaccc acttgctctg gcaaacgtag 420
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 tgggtaatgc acctacatac ctgcaacaac aattgctgca acagattgta ccagctctga 600
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<210> 12009

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-G10

<400> 12009

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 attctgctga cactttcaag ttggtttctt gtgtcatcat ggattcttgc tccattcatt 180

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 cgccttgtcc aggcaatcat tgttgggagc actgtggctg ctattgttgt gctgttggaa 600
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 t 661

<210> 12010
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-K6-G12

 <400> 12010

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 cttccattca accaactggc tgtgtcaaac tctgctgcgt acctacaaca gcgacaacag 180
 ttacttaatc cattggcagt ggctaaccca ttggctcgta ctttctgca gcagcaacaa 240
 caattgctgc catacaacca gttctctttg atgaaccctg ctttgcagca acccatcggt 300
 ggaggtgcc tcttttagat tacatatgag atgtactcga caatggtgcc ctcataccga 360
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<210> 12011
 <211> 600
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-G2

 <400> 12011

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 aaatagatgc ttcaactagt ctacagtcag accagaatgc aactgctgtg ctgtatgggtg 180
 tagacaacga gacaagcgca acaataaaga ccgagtcttg ctactcgagt aatgctgatt 240
 ttgccttctg tgggaacact ttcctggaat catgccagtc gatagggtgât gcactctgggtg 300
 gtggatcctt cagcagctca gagttgaatg ggcaaccact aaacgattca attttggata 360
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 tggcagatga tttcaaccaa aatgcagaaa taacaccatt tctcactcct gagacaaatt 480
 tctccgattc aacaggggga gaccatacag gttgagcggg tcatgcacag cgtaccaacc 540
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<210> 12012

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-G4

<400> 12012

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 cgaccatttt cccacaatgc tcacaagctc ctatagcttc ccttcttccc ccgtacctct 180
 caccagcggg gtcttcngta tgtgaaaacc caattcttaa accctatang atccaacagg 240
 caatcgcage tggcatctta cctttatcac ccttgttcct ccaacaatca tcagcgctta 300
 ttagancant tacctttggg gcatttattg gcacaaaaca tcanggcaca acaactacaa 360
 caacttgtgc tagcaaacct tgctgcctac tctcancaac aacagtttct tccattcaac 420
 caactagctg cattgaactc tgcttcttat ttgcaacaac aacaactacc attcaaccag 480
 ctatctgctg cctaccccca ncaatttctt ccattcaacc aactgacagc tttgaactct 540
 cctgcttatt tacagcagca acaactacta ccattcancc agctanctgg tgtgagccct 600
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<210> 12013
 <211> 585
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-G5

<400> 12013

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acaatgtagt gatgatctta ggcagattga gcccataac ataacaccaa gcagatctac 180
aacatggctc aatccataat ccatgaggag cgacaacaac aaccatgtga gtcattgtga 240
tctaaacaag ctactcaaag tgcggaggga atcttgacag ctgcacaata cctaccatca 300
atgtgctggc cgtaccactc atactactca aaataatcca tgcattgatg atgacatcag 360
tggtgtctgc aattcgaaga attggtttac ctagacgctg tactcatatt acggcagtta 420
accaataaag ctccatacat tatgatgtgc gtactcattg gtcgctacct tcctgcagca 480
gcaacaacaa ttgctgccat acaaccagtt ctctttgatg aacctgcct tgcagcaacc 540
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<210> 12014
 <211> 598
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-G7

<400> 12014

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gttcctgatc taagcccggc atgaagggtc gtcagagcgg ttgctgctc ctgctgctgc 180
tggcatcgtc gttgttactg tccgtcgtgg ttgcgcgcga gcagacttgc cctgccgacc 240
tcgacagcaa atgcgacggg ggccgcctc atgactggga gggggaattc tccccggcg 300
tccccaaaat caagtatgag ggtccaacaa gcaagaacc tcttgcttat aagtgtgata 360
acaaggagga agtcattctc ggaaagaaga tgaaggactg gatgcgcttc agtgttgctg 420
tctggcacac gttccgtggg actggtgctg atccttttgg tgcgcctaca aaggtttggc 480
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cttgggagga cggcacacat tegtggcca tggctaagag aagaatgaga gctcactttg 540
agttcatgga gaagctcggg gttgacaaat ggggcttcca tgatagggat attgcccc 598

<210> 12015
<211> 669
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-K6-G8

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gccaaaattt ttgcttcctt atgctccttg gtctttctgc aagtgttgct accgcaacca 120
ttttcccaca atgctcacia gctcctatag ctcccttct tccccatac ctctcaccag 180
cgggtgtcttc aatgtgtgaa accccaattg ttcaacccta caggatccaa caggcaatcg 240
caacaggcat cttaccatta tcacccttgt tctccaaca accgtcagcc ctattacagc 300
agttaccttt ggtccatttg gtggcacaaa acatcagggc acaacaacta caacaacttg 360
tgctagcaaa ctttgctgca tactctcagc aacatcagtt tcttcattc aaccaactgg 420
ctgcattgaa ctctgctgct tatttgcaac aacaattacc attcagccag ctagtgtgctg 480
cctacccccca gcaatttctt ccattcaacc aactagcagc attgaactct gctgcttatt 540
tacagcagca acaactacta ccattcagcc agctagctga tgtgagccct gctgccttct 600
tgacacaaca acagttgttg ccgttctacc tgcacgctat gcctaacgct ggcaccctct 660
tacaactgc 669

<210> 12016
<211> 662
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-G9

<400> 12016

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tgcgcggggc tgcagggctt gtacggcgct ggcgccggcc tgacgacgat gatgggcgcc 180
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 gcgccctact acgcggggtg tgggcagccg agcgccatgt tccagccgct ccggcaacag 300
 tgctgccagc agcagatgag gatgatggac gtgcagtccg tcgcgcagca gctgcagatg 360
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 cagcagcagc agcagctgct ggcagcccag ggtctcaacc ccatggccat gatgatggcg 480
 cagaacatgc cggccatggg tggactctac cagtaccagc tgcccagcta ccgcaccaac 540
 ccctgtggcg tctccgctgc cattccgccc tactactgat tcatgatatt tgggaaatct 600
 cctctatcca tctctctcta tctatatatg taataatgca gtaagacgac acacattatc 660
 at 662

<210> 12017

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-H10

<400> 12017

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 gctgatagtt cagctactat caatgtgcct aaaaatcatc ccagagatgc gccagttcct 180
 cttgcaacaa aaatgtatca ttcacagggc aactaccgtc ttcgatttga gcttggccag 240
 ctttatcgcg aatcatgtgt gcagcatttg agtggccaca caactccaaa cgtgtcacat 300
 gagaatggat tgatggcatc atcacggttt tcttcttgtg gcaactcagc attgcctact 360
 cagaagagcc ttgttcctca acaaaagcct ctcgcagacc ctcagcaatt agcagcaagc 420
 aggcctaacc agtcacaagg aacaaaaact gatagagcaa gtgcacaagc atctgcaatt 480
 aaaaatgaag gttcacgac cagatgcaat aaagctacca ttccccattc gagaaacaaa 540
 ggcagcaaga agacgaaca gcaaccta atggcgtgttc atgcgatcaa gttcccgta 600
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<210> 12018

<211> 649
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-H11

 <400> 12018

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cctttgttcg aggatgagag gtatatgttt acatataacc cgacaaagga caaggtctat  180
gctttgctca aggaccaagc aaagcctgat gacattctca aggccgcttt tcatgcacat  240
gtgctactga nttttatcaa tgctacacat gctaaccgga atgcacggaa gcgcgcgaac  300
tccaatctgt cacaccagta taaccactg aacatggact tcttaccaca catcgaagag  360
tcgtgcaaga tcgttatgtc gtcttatgga gttttcaaga agaatcaag agaacagggg  420
tggatcatgt ctgaatcact tctcaaccca ggacgagcaa gattgtgtgg agtagcaccg  480
caatgatcca agcctttttt attttttttc atgatggaga tgatgagttc tttcccatat  540
aattggagtc cagccctatg tgggtcagcg aaactaactn tagtcaacaa tcagctcaag  600
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<210> 12019
 <211> 625
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-H12

 <400> 12019

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atccttggca catctaacca taaaacccat cgcaacacaa cagcaacaac agttcctacc  180
agcactgagc caactagatg tggatgaacc tgctgcctac ttgcaacagc aggtgcttgc  240
atccaaccca cttgctctgg caaacgtagc tgcataccaa caacaacaac aattgcaaca  300
gtttctgcca gcgctcagtc aactagccat ggtgaaccct gccgcctacc tacaacagca  360
  
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acaactgctt tcacttagcc ctctcgttgt gggtaatgca cctacatacc tgcaacaaca 420
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cttgcaacag ctgcttccat tcaaccaact gactgtgtcg aactctgctg cgtacctaca 540
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<210> 12020
<211> 338
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-K6-H2

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<210> 12021
<211> 631
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-K6-H5

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acccatggtg ctttcgtaca gccggccttc tatgaagcgt tcggtctcac cgtcgttgag 180
gccatgacct gtgggcttcc tacttttcgg acgctccatg gaggtccagc tgagatcata 240
gagcatggcg tctcgggctt ccacattgac ccgtaccacc ccgaacaggc tgctaattctg 300

atggccgact ttttcgaccg gtgcaagcaa gaccagatc actgggtgaa aatatctgga 360
gcagggctgc agcgcatata cgagaagtac acatggaaga tatactcaga gaggttgatg 420
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aggcgctacc ttgagatggt ctacatactg aagttccgcg agctggcgaa gaccgtgccg 540
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<210> 12022

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-H6

<400> 12022

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gcggctgtgg ctgccagaca ccaccgtttc atctaccgcc tccgttctat atgccgcctc 180
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gcctgcagct gcagcagcca ggtccctgcc cttgcaacgc agctgccggc ggtgtctact 600
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<210> 12023

<211> 669

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-H7

<400> 12023

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 ttcggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg 180
 catcttacct ttatcaccct tgttctccca acaatcatca gccctattac atcagttacc 240
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 caacaaccc 669

<210> 12024
 <211> 66
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-H9
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<210> 12025
 <211> 584
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-A1
 <400> 12025

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aacccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240
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 cttccattca accaactggc agcattgaac tctcctgctt atttacagta gcaacaacta 540
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<210> 12026
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-A11
 <400> 12026

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 ggttcacctg ccacctccgg tgcattctcc accgcccgtc cacctgccgc cgccggtcca 240
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 aagcggccag gtcgcggggc tggttggcggc gc 632

<210> 12027
 <211> 532
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-A12

<400> 12027

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catggcgtag gtgcaccacg ccttctccat ctccgacgag gacgacctcg tcggcgggcg 180
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cttcggggcg ctcggtaccg tcggtggcct gctaattggc gtcaaccgcg tcggagggga 300
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cccaccgatc tgaaggagtg tgctgctgcc tgctgggtat gaagtgggtg cgctgggtta 480
agagtttgac gactctgacg aatggctctg taaacaccct tgttctacat ct 532

<210> 12028

<211> 631

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-A2

<400> 12028

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gctccttggg ttttctgcaa gtgctgctac ggcgaccatt ttcccgaat gctcgcaagc 120
tcctatagct tccttcttc ccccgtagct ctaccagcg gtgtcttcgg tatgtgaaaa 180
cccaattctt caacctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
acccttggtc ctccaacaat catcagccct attacatcag ttacctttgg tgcatttatt 300
ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
tttgcaacaa caacaactac cattcagcca gctacctgct gcctacccc agcaatttct 480
tcattcaac caactggcag cattgaactc tcctgcttat ttacagcagc aacaactact 540
accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac cacagtgtgt 600
gccgttctac cagcacgctg cgcctaacgc t 631

<210> 12029
<211> 508
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-A3

<400> 12029

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acaatggcta ccaagatatt agccctcctt gcgcttcttg ccctttttgt gagcgcaaca 120
aatgcgttca ttattccaca atgctcactt gtccttagtg ccattattcc acagttcctc 180
ccaccagtta cttcaatggg cttcgaacac ctactgtgtc aagccaacat gcaacaacaa 240
gcgcttgccg cgagcgtctt acaacaacca attgcccaat tgcaacaaca atccttgcca 300
catctaacaa tacaagccat cacaacgcaa cagcaacaac agttcctacc agcactgagc 360
cacctagcca tgggtgaacc tgccgcctac ttgcaagagc agctgcttgc atacaaccca 420
cttgctctgg cgaacgtagt tgcaaaccag caacaacaac agctacaaca ggtttctgac 480
aacgctcagt caactagcca tgggtgaac 508
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<210> 12030
<211> 503
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-A4

<400> 12030

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tatgtcctt ggtctttctg caagtgtgtc taccgcaacc attttccac aatgtcaca 120
agtcctata gcttcctttc ttccccata cctctcacca gcggtgtctt cagtatgtga 180
aaaccaatt cttcaaccct acaggatcca acaggcaatc gcagcaggca tcttaccttt 240
atcaccttg ttctccaac aaccgtcagc cctattacag cagttacctt tgggtgcattt 300
gttggcacaa aacatcaagg cacaacaact acaacaactt gtgctaggaa accttgctgc 360
ctactctcag caacagcagt tacttccatt caaccaactg gctgcattga actctagtga 420
ttatttgcaa caacaactac cattcagaca gctagctgct gcctaccctc agtaatttct 480
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tccattcaac caactggcag tta

503

<210> 12031

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-B1

<400> 12031

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tccatcetta tgctccttgc tctttctgca tgtgttgcta acgcgaccat ttttcctcaa 120

tactcacaag ctccatagc tgcccttctt ccccatacc ttccatcaat gaccgcttta 180

gtatgtgaaa acccagccct tcaaccctac aggatccagc aagcaatcgc aacaagcaac 240

ttacctttat cacacctgtt ctttcaacaa tcgccagccc tatctttggg gcagtcattg 300

gtacaaacca tcagggcaga acagttgcag caactcgtgc taccagtgat cagccaagta 360

gctctggcaa acctttcccc ctactctcag caacaacaat ttcttccatt caaccaactg 420

tctatactga accctgctgc ttatttgcag caacaacaac tactaccatt cagccagcta 480

gctactgcct actctcagca gcaacaattt ctccatttta accaattggc cgactgaac 540

ccctctgctt atttccagca gcaaatacta ctaccatttg gccagctagc tacaacaagc 600

cccgcttcct tcttgacaca acaacaagtg cttncgttct accagcagtt tgtggcta 658

<210> 12032

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-B10

<400> 12032

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gcttcaactt gaagctcaaa gtattcctaa cactacccat ccagatgttc ctgttggggg 120

tgaggaaagc tctgtcctca ggaaagaggt aggcagtcag aggagcttca attttgcaat 180

caaagatcat cttcagctgg ggaaggaact tgatttgttt gactttgatg cagcagccga 240

ggtcagtggg tcgaagttct actacttaaa gaatgaagct gttttgttgg agatggccct 300
 agtaaactgg gctatttcag aggtctccaa gaagggtttc acaccactca taactccaga 360
 gatcgtaaga tcatctgttg ttgagaaatg tggctttcag ccaagggcca aaaacactca 420
 ggtatactca attgaggaca gtgatcagt tctcataggc acageggaaa ttcctgttgg 480
 aggcattcac atggactcaa tacttgccga atccgctttg cctttaaaat atgtagcata 540
 ttcacactgt tntcgcacag aagcaagtgc agcaggtgct gccactaggg gcctctatcg 600
 ggtacatcaa tttagcaagg ttgagatggt catattctgt 640

<210> 12033
 <211> 679
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-B11

 <400> 12033

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 agcaacttac ctttatcacc cctgttcttt caacaatcgc cagccctatc tttggtgcag 120
 tcattggtac aaaccatcag ggcacaacag ctgcaacaac tcgtgctacc agtgatcagc 180
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 240
 caactgtcta cactgaaccc tgctgcttat ttacaacaac aacaactact accattcagc 300
 cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 360
 ctgaaccctt ctgcttattt ccagcagcaa atactactac catttgcca gctagctaca 420
 acaagcccca cttccttttt gaaacaacaa caattgcttc cgttctacca gcagtttgtg 480
 gctaaccctg caaccctctt acaactgcaa cagttgctgc cttttgtcca acttgctttg 540
 acaaaccag cagccttcta ccaacaacac atcattggcg gtgccatctt ttagattgct 600
 tattagttgt aattcaataa tgaagttttt tggctgatgt atgtggcctc ctagaaataa 660
 gaagttacat ttccaaaaa 679

<210> 12034
 <211> 497
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-B2

<400> 12034

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gctacagact gatggtaccg agaataatgg aagggaacca tcggatggga atggttgcta 120
ttgattcggc aacgggtact gtagcagatt gtggctgtga ggtggaaatt tcagagtgtg 180
aaccacttcc agatgggccc ttttatttag aggtggaagg cacacgtcgg tttcgtatcg 240
tgcgatcatg ggatcaagat ggatatagag ttgctgaagt tgaatggttg aaagatatac 300
ctctgccaga aggttcacaa gggagdagag aactaatgga actggccaat ggagcttcat 360
agctggccag ggcataatc agacatgcta gagataccgt acggactgca aggcgaacaa 420
gacatctgaa tcttgagggc atgcctgggc cacaggaccc ggaaaaatta aagtactggc 480
taccacaacta gataagt 497

<210> 12035

<211> 184

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-B4

<400> 12035

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acctgcgctt gtaataatag cctgaacata gtttaattgc taatagtatc ctaaagagga 120
ctacaagtgt acaaatgaac tatgtttcag gctattatta gcaattaaaa aaatgtttgt 180
gctc 184

<210> 12036

<211> 674

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-B8

<400> 12036

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gctcttgggt gtgttgcgtg cccttcattc aaggagccca ctcttgactg tgctttctgt 120
gtggatgaga gactcgcgga ggatgccgag tatgaggagc aaatcatatg ggccctcatcg 180
gatgcttacc catgggggatg ctatatctac caagttcaga gcgcctcaat gcagttcatg 240
gcacttcgtg tcccaaaaga acaatctgag ctaaggccca agaagatatt ggagtcattt 300
ctgcagcaag catcagagac tcaaacgtcc cgtgcatgaa gaagctgcac atgatgcttg 360
tgcgtagcaag agaactcggc tgggacaaaag ggcaagtctc gtgcaagaaa gctcgaagaa 420
tgccacttct ttccggtcac tccatttctc cgttgtcaaa gcatacacag aggacagagc 480
cttgcagtcc aacactcggg ttgacggaag tgttgtatac tagaatagta ggttaaaggc 540
tgtaaataga aagttttgta acgtttgata tagtttttgt'ccagctacat ttgttaaggc 600
ccatgtggac gtggggcata ttagttgtgg ctacatattc tactaagaaa gtctcaggac 660
taatcatact ttcc 674

<210> 12037

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-B9

<400> 12037

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atggagctct ctgcgaagct cttcacggcc gtccctctcg tcatgctgct gctgctgtcc 120
gcagaggctg ggccggtggc ggtggcggag gcgcggacgt gccagtcgca gagccacagg 180
ttccggggcc cctgcctccg ccggtccaac tgcgccaaag tctgcaggac cgaggggttc 240
cccggcggca ggtgccgagg cttccgcgcg cgctgcttct gcaccacgca ctgccactga 300
ttcgctcgcc cagcggccgg ctggcgctgc cgtcgatcgc gtcgcgacca gtccatggct 360
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gttgaagcgt tcgatcgtcg gtctagtaat gtgcctgtga gcagcgggtg gctgattgac 480
cttcgttttg ctctgtagat ccatgtaacg ggatttatca tagcaaatgc atg 533

<210> 12038

<211> 514

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-C11
 <400> 12038

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 gctgcgaaga tattcccccg accgactgct ggtcctctac tccccattgt tcaatgccat 120
 actttaaagt acatacatgt aacatcaagc ggctagctac gaggcattta cacctctgat 180
 ggagctcgaa ggcctagttg tgcacacca acagatagct tgctcacaac acatctgata 240
 gtttctgtct gatacaccgt ctgatgaaca aatcccttga gggactgcac gccaatgtcc 300
 agaggcttaa aacatacaaa gtcaatctgg ttatcttccc aaggcgtgcg cgcaatgtga 360
 acgctgggtga ctctactcca gaggagcttg ccaccgttac ccagggtgcag ggtgactacc 420
 tgccatttac tccaggcgag aaacgttcat tccaggttcg cgaaggtcac agatgacatg 480
 aagtcatttg ctgactatgg caaactccgt cttg 514

<210> 12039
 <211> 664
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-C12
 <400> 12039

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 gcgcatcaag ccggatctgg agagggttac acgatcgtg gccgcgtcaa gatcgatggc 180
 atgagcgtga agggcttttg tcttgcaaca aagacatcaa acacaaaagt gatacttaat 240
 ggcggccaga gggttacatt tgccaggcca gacggctact ttgcattcca caacgtgcc 300
 gctggaactc atctgattga ggtctcctca attgggttact tcttttcccc agttcgagta 360
 gatatcagtg caaggaatcc tgggttatatt caagcagcat tgactgaaac tagaagagtt 420
 ctaaagtagc ttgtcctgga acctctgaaa gaagagcagt actatgaggt tagggagcct 480
 ttctcgtca tgtcactttt gaagagtccc atgggggtga tgggtggttt tatggtctta 540

atggtctttg tgatgccaa gatgatggag aacatagatc ctgaggagat gaagcaagct 600
 caagagcaaa tgangaacaa ccccgatatca ttgtctggct tgctagccag agcgagggc 660
 taga 664

<210> 12040

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-C2

<400> 12040

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 aatttttgcc tccttatgct ccttgggtatt tctgcaagtg ctgctacggc gaccattttc 120
 ccgcaatgct cacaagctcc tatagcttcc cttcttcccc cgtacctctc accagcggtg 180
 tcttcggtat gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgcagct 240
 ggcattctac ctttatcacc cttgttcctc caacaatcat cagccctatt acagcagtta 300
 cctttgggtgc atttattggc aaaaaacatc agggcacaac aactacaaca acttgtgcta 360
 gcaaaccttg ctgcctactc tcagcaacag cagttttcttc cattcaacca actagctgca 420
 ttgaactctg cttcttattt gcaacaacaa caactaccat tcagccagct acctgttgcc 480
 tcccccaac aatttcttcc attcaaccaa ctggcagcat tgaactctcc tgcttattta 540
 cagcagcaac aactactacc attcagccag ctagctgggtg tgagccctgc tacc 594

<210> 12041

<211> 579

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-C3

<400> 12041

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 tgctccttgg tctttctgca agtgctgcta cggcgaccat tttcccgcaa tgctcgcaag 120
 ctctatagc ttcccttctt ccccggtacc tctcaccagc ggtgtcttcg gtatgtgaaa 180

acccaattct tcaaccctac aggatccaac aggcaatcac agctggcacc ttacctttat 240
 cacccttggt cctccaacaa tcatcagccc tattacatca gttacctttg gtgcatttat 300
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
 actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
 atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc cagcaatttc 480
 ttccattcaa ccaactggca gcattgaact ctctgctta ttacagcag caacaactac 540
 taccattcag ccagctagct ggtgtgagcc ctgctacct 579

<210> 12042
 <211> 616
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-C4
 <400> 12042

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 caaaaacaga ggaacttgct gatgcatatt atacaaatac tcgatttaaa agcctacaag 120
 aaaacggagg tggaactagc tcacaagagg caaccgtaaa aagaaggga ggggaaagct 180
 cctgtcacag aaagcagtgc tgctaattgat gtgaatagtg cactagcaga taacattctg 240
 gagactgtaa gaaggcttca atcaaaccag caggctcggg aaggaggagc tgacgtgctg 300
 tccaaggatg ggtatcgacc ttccaagggg gtccaaccgg cagctggatc ttcattctaat 360
 ctggacagtg atactagttc caactcaaaa tcatctggtg caaaagataa cataggcaag 420
 ggaggaggca ataagcaacc gaagaaaaca gcaaagtctc tcagagctcg tttagggtgac 480
 aactcattag ccacacttga tttaagtcgt ccaagtgcaa gccctgaacg tccagaaagg 540
 gaattgcaag gccctgagac aggggttgcca gcgcgaggtg cttggaagaa tggggngggc 600
 agaaactttt tcgagc 616

<210> 12043
 <211> 613
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-C6

<400> 12043

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atgaggggtgt tgctcggtgc cctcgctctc ctggctctcg ctgcgagcgc cacctccacg 120
catacaagcg gcggctgcgg ctgccagcca ccgccgccgg ttcattctacc gccgccggtg 180
catctgccac ctccggttca cctgccacct ccggtgcac tcccaccgcc ggtccacctg 240
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ccaccatgcc actaccctac tcaaccgccc cggcctcagc ctcatcccca gccacacca 360
tgcccgtgcc aacagccgca tccaagcccg tgccagctgc agggaaacctg cggcggttggc 420
agcaccgccga tccctgggcca gtgcgtcgag tttctgaggg atcagtgcag cccgacggcg 480
acgcctact gctcgctca gtgccagtcg ttgctggcagc agtggttgcca gcagctcagg 540
caggtggagc cgcagcacgc gtaccaggcg atcttcggct tggctctcca gtccatcctg 600
cagcagcagc cgc 613

<210> 12044

<211> 632

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-C7

<400> 12044

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tgtcgcttac ttgcaacagc agttgcttgc atccaacca cttgctctgg caaacatagt 120
tgcataccaa caacaacaac aattgcaaca gtttctacca gcgctcagtc aactagccat 180
ggtgaaccct gccgcctacc tacaacagca acaactgatt tcattctagc ctctcgctgt 240
ggttaatgca cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac 300
tcagctagct gtggcaaacc ctgctgccta cttgcaacag ctgcttccat tcaaccaact 360
gactgtgtcg aactctgctg cgtacctaca acagcgacaa cagttactta atccactagc 420
ggtggctaac ccattggctg ctgccttcct acagcagcaa caattgctgc catacaacca 480
gttctctttg atgaaccctg ccttggttggt gcagcaacct atcgttgag gtgccatctt 540
ttagattaca tatgagatgt actcgataat ggtgcctca tagcggcatg tgtttcctag 600

aaatatcaaa tattgattga gattatctcg at

632

<210> 12045

<211> 661

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-C9

<400> 12045

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accaagatac tttccctcct tatgctcctt gctctttctg catgtgttgc taacgcgaca 120

atthttccctc aatgctcaca agctcctata gcttcccttc tccccccata ccttccatca 180

atgatagctt cagtatgtga aaaccagct cttcaaccct ataggctcca acaagcaatc 240

gcagcaagca acataccttt atcacccttg tttcaacaat cgccagccct atctttggtg 300

cagtcattgg taaaaacat caaggcacag cagctgcagc aactcgtgct acctgtgatc 360

aaccaagtag ctctggcaaa cttttctccc tactatcagc aacaacaatt tcttccattc 420

aaccaactat ctacactgaa ccttgctgct tatttgagc aacaactatt accattcagc 480

cagctagcta ctgcctactc tcatcaacaa caacttcttc catttaacca attggccgca 540

ctaaacctcg ctgcttattt gcagcagcaa atattactac catttagcca gctagctgca 600

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<210> 12046

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-D1

<400> 12046

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cgtgctgtgc tcgtcggcgc acctgctgca gccggggcgc gggccgttcc ggtccgacga 120

cgcgctgaag ccgggaaccg agtacttgct gctaccgcag tcggtgatcc aggtggagtg 180

gtgcgtcgtg gacctggtgt gcctgatgaa ccg

213

<210> 12047

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-D11

<400> 12047

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gacagaagtt tcatcggcta tacccttcaa gttegaagcg aggaaatctg caggaggggg 120

caatgaacgc taccgcttgg gcctccaaat cattagcatt tgtttcgatt ggagaaccaa 180

gtgcgattgg aaggacaaac tctaccagtg agcttagatg aagtgttaacc cttttttctc 240

tccacagaga tatatgtaca gtacagtaga gcgatcagga tatggacacc cagaatctgt 300

tgtaacggct gtattactct ttgtatctc tctccttag aataagtata tccatggttt 360

tgcacctttt ttttgttgtt acatcccaat tctttggagg agtaaagttt ctggtgtatt 420

gtgt 424

<210> 12048

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-D12

<400> 12048

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tgcttttagta tcaagtgttt cttgtacaca gacaggcggc tgcagctgtg gtcaacaaca 180

aagccatgag cagcaacatc atccacaaca acatcatcca caaaaacaac aacatcaacc 240

accaccacaa catcaccagc agcagcaaca ccaacaacaa caagttcaca tgcaaccaca 300

aaaacatcag caacaacaag aagttcatgt tcaacaacaa caacaacaac cgcagcacca 360

ccaccaacaa caacaacaac agcaccaaca acaacatcaa tgtgaaggcc aacaacaaca 420

tcaccaacaa tcacaaggcc atgtgcaaca acacgaacag agccatgagc aacaccaagg 480

acagagccat gagcaacaac atcaacaaca attccaggggt catgacaagc agcaacaacc 540
acaacagcct cagcaatatc agcagggcca ggaaaaacac aacagcaaca atgtcattgc 600
caggagcagc aacagactac aaggtgcagc tataactact ata 643

<210> 12049
<211> 666
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-095-Q1-K6-D3
<400> 12049

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gcaatcgcaa cccgttcagc caatcattgc cgtctccacc aactccgttc ccctattacc 180
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gatggcattc cagatgccgg gcgtccagggt cctagggctc accaccatct tcggaaactg 420
caccacagag catgccacac gcaacgcctt gatcctgtgc gagaaggcaa gccatctaga 480
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<210> 12050
<211> 629
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 12050

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 gccaccctcg tcacggaggc cgagtgcac ctggccacca tcagcggcgt cgccgaatgc 480
 ccctggattc tcggcggcgg aacgatgcc tccaagtaac tgcaagagc atagtgcctg 540
 aggaatgagc ttgtagctag ctcatatgtc tgaataataa gcacagcaag aagatgaatg 600
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<210> 12051
 <211> 175
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-D5
 <400> 12051

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 gatgatgtat gtggccaacc agaaataaga agttacattt ccagatttta atgtg 175

<210> 12052
 <211> 606
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-D6
 <400> 12052

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 caatgctcac aagtcctat agcttccctt cttcccccat accttccatc aattatagct 180
 tcagtatgtg aaaaccagc ttttcaacca tataggcttc aacaagcaat cgcagcaagc 240

aacatacctt tatcgccctt gttgtttcaa caatcaccag ccctatcttt ggtgcagtca 300
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<210> 12053
 <211> 667
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-D7
 <400> 12053

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 tcttcccacc agttacttca atgggcttcg aacatccagc cgtgcaagcc tacaggctac 180
 aactagcgct tgcggcgagc gccttacaac aaccaattgc ccaattgcaa caacaatcct 240
 tggcacatct aaccctacaa accattgcaa cgcaacaaca acaacaacag tttctgcat 300
 cactgagcca ctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcat 360
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 ttatgccagt gctcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt 480
 catctagccc gctcgcggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac 540
 aaattgtacc agctctgact cagctagctg tggcaaacc cgtgcctac ttacaacagt 600
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<210> 12054
 <211> 636
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-095-Q1-K6-D8

<400> 12054

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acaatgctca caagctccta tagcttcctt tcttccccca tacctctcac cagcgggtgtc 180
ttcaatgtgt gdaaacccaa ttgttcaacc ctacaggatc caacaggcaa tcgcaacagg 240
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gaactctgct gcttatttgc aacaacaatt accattcagc cagctagtgt ctgcctaccc 480
ccagcaatth cttccattca accaactagc agcattgaac tctgctgctt atttacagca 540
gcaacaacta ctaccattca gccagctagc tgatgtgagc cctgctgcct tcttgacaca 600
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<210> 12055

<211> 655

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-D9

<400> 12055

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ccaatttccc agttgcaaca acaatccttg gcacatctaa caatacaaac catcgcaacg 180
caacagcaac aacaattcct accagcactg agccacctag ccatggtgaa ccctgccgcc 240
tacttgcaac agcagttgct tgcacaaac ccacttgctc tggcaaacgt agttgcaaac 300
cagccacaac aacagctgca acagtttctg ccagcgctca gtcaactagc catggtgaac 360
cctgccgcct acctacaaca gcaacaactg ctttcatcta gcccgctcgc tgtggccaat 420
gcacctacat acctgcaaca acaattgttg caacagattg taccagctct gactcagcta 480

gttgtggcaa accctgctgc ctacttgcaa cagctgcttc cattcaacca actgactatg 540
 tcgaactctg ctgcgtacct acaacagcga caacagttac ttaatccact agcagtggct 600
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<210> 12056

<211> 639

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-E1

<400> 12056

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 ttttgcgagc gcaacaaatg cgtccattat tccacaatgc tcaattgctc ctagtcccat 180
 tattccacag ttctccacac cagttacttc aatggccttc gaacaccag ctgtgcaagc 240
 ctataggcta caacaagcga ttgcggcgag cgttttataa caaccaattg cccaattgca 300
 acaacaatcc ttggcacatt taacaatata aaccatcgca acgcaacagc aacaacagtt 360
 cctaccagca ctgagccacc tagccatggt gaaccctgtc gcctacttgc aacagcagct 420
 gcttgcatat aaccacttg ctctagcaaa cgtagttgca aaccagcaac aacaacaact 480
 gcaacagttt ctgtcagcgc ttagtcaact agccatggtg aaccctgccg tctacctaca 540
 acagcaacaa ctgctttcat ctagcccgct cgctgtggcc aatgcaccta catccttgca 600
 acaaggattg ttgcaacaga ttggaccagc tctaactca 639

<210> 12057

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-E10

<400> 12057

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gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aaccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240
 tcacccttgt tctccaaca atcatcagcc ctattacatc agttaccttt ggtgcattta 300
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 tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt 480
 cttccattca accaactggc agcattgaac tctcctgctt atttacagca gcaacaacta 540
 ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgatata accacagttg 600
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<210> 12058
 <211> 637
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-095-Q1-K6-E11
 <400> 12058

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 cacaaccgcg tcccgagctg ccgctggtac gtgaccagcc ggacctgcgg catcggggcg 180
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<210> 12059
 <211> 615
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-E12

<400> 12059

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<210> 12060
 <211> 630
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-E2

<400> 12060

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<210> 12061
 <211> 647
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-E3
 <400> 12061

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<210> 12062
 <211> 585
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-E4
 <400> 12062

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 <211> 344
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-E6
 <400> 12063

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 <223> Clone ID: LIB3061-095-Q1-K6-E7
 <400> 12064

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